

<213> Glycine max

<223> Clone ID: 700945785H1

<400> 37408

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cgtgtcctcg atattatcaa gcttctcctg gaccgtcttg aggcacctga cccttgccacc 180
ctcgagatat tccttggaag agtccctatg gtcttcaatg ttggtatcctttctcgccat 240
gggtactttg cccaaga 257

<210> 37409

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945786H1

<400> 37409

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gagaatgggt cgatctcaac gagatctcac ctgaggatat agaatgggaa ggtgaacatc 180
ctggcattct ccatagaagt ggacatggtg gtcaatgtgg tgggtggtatg agattctttg 240
gtcatcgtg 249

<210> 37410

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700945789H1

<400> 37410

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<210> 37411

<211> 249

<212> DNA

<210> 37414
 <211> 258
 <212> DNA
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<223> Clone ID: 700945753H1

<400> 37414

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 ctctcagcca ctctcagca ccacacgtag cgctttgtca caacattaga tgtcaattat 180
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 tttttaattt cgttgagt 258

<210> 37415
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945719H1

<400> 37415

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 ggaaagagcc agtttcactt gggaggccgc aagcaccgaa cgtaaaaacg aa 112

<210> 37416
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<223> Clone ID: 700945720H1

<400> 37416

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 agaggaactc cttgagaggg tgaagaaggt tgcctctgag ttctataagc tggaaagaga 180
 ggagaatttc aagaactcca catcagtga gctactaagc gattcagtcg aaaagaagag 240
 cagcgaaatg gagcatgtgg attg 264

<210> 37417
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<223> Clone ID: 700945721H1

<400> 37417

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 t c c t c t t c c g t c c t t t c a t c t t t t g a t t c c c c t g t t g a a g t a c c a g c a g a a g c a t c c t c 120
 a t a a t t a c a t c t t g c t t g c a c t c t t c a c c g t g t c t a t c a g c t c c a c c g t c g g a g t c a c t t 180
 g c g c c a a c a c c g a t g g g a a a a t t g c g 206

<210> 37418
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945723H1

<400> 37418

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 g c t c t t t c c a a t c c g c t t c c t c t c t t c g g t t c t g c a t t a g a t t c t g c g g a g a a a a c t 120
 g g g g a t g t t a c g g g t c c t g c a a a t t g g g t t g a a g t a t a a c c c g g t t t c a t g g g a a g t t c c 180
 g g a c c c c a a a g g t g a c g g c t t c a a a g t a c a c t a t a g g g t g a g t a a t t t c c c a a g t t t g t c 240
 t t g g g a 246

<210> 37419
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945724H1

<400> 37419

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 c c c c t c a g g c t a c c c c t t c a g g a t g t g t a c a a g a t t g g a g g a a t t g g a a c t g t g c c t g t g 120
 g g a c g g g t t g a g a c t g g t g t c t t g a a g c c t g g a a t g g t g g t g a c t t t t g c a c c a a c t g g a 180

ctgacaaccg aagttaagtc tgtggaaatg caccatgaag ctctcacaga ggctcttccc 240
 ggtgataatg ttgg 254

<210> 37420
 <211> 261
 <212> DNA
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<223> Clone ID: 700945725H1

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 aatcaaataa catgccgtat ggatcaccgg agcagtttcc aggccatcat gcaatgaacc 180
 ggctcagatc agctggacct tctggatctg ggaaatatta tggtgaggac acaagcgggt 240
 attacggaca acattacaat c 261

<210> 37421
 <211> 206
 <212> DNA
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<223> Clone ID: 700945726H1

<400> 37421

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 ggttgtggga tttgtacgag agatggagga gccaccaaac ggtttctcga agcctccatg 180
 agaagcaaaa ccgcttcaac gtgttc 206

<210> 37422
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945727H1

<400> 37422

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aaatgaaaga atctggagta attaataaac aaaatattgc agaatacaaaa gtagctctag 120
 tatatgggtca aatgaatgaa cgcgccggag ctgcgtatgag agttgggtta actgccctga 180
 ctatggcgga atattttcga gatgtcaatg aacaagatgt acttctatct atcgacaata 240
 tctttcgctt cgtccaagca 260

<210> 37423
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945728H1

<400> 37423

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 tcaagtgggg tactgattat tttctcaaga gttttaatag cactgctgat accatcacca 120
 cccttgctgc tcaggttggg cttggagata cttctgggtg acagtccgaa tgatcactat 180
 tgctggatgc gtccggagga catggactat gaccgtcttg tgactgaatg ccacagttgt 240
 tccgatctcg cggctgaga 259

<210> 37424
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 <212> DNA
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<223> Clone ID: 700945729H1

<400> 37424

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 agctgaagaa gcctgtttgtg gagaaagaag ctccagggca tgccatatga gggcatgcac 120
 gtacggcctc ggaggggaac cagaaaatta tgtgaacaaa ataatctgga accctaattg 180
 atcagtgtca tcatcagtgt gtagtttaag ctatgctttgc tatgggttacg gtctttgaga 240
 tgagagtctt gatgaa 256

<210> 37425
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945730H1

<400> 37425

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 aaagaagacc caaatgaagt ttcaatcatg ggagaagcag aaatccttgt ttcaggaaga 120
 gctaataaat gaaaaacaca aattagctca gttgcagcaa gaataagagc cagtaaaggt 180
 gcacagcagc aagtcgaggc taggtggcag caagcagcaa aggccaaaga aggactcctc 240
 ctgcaggcca tttct 255

<210> 37426

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700945731H1

<400> 37426

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 gagaatgtct agctgtgggt gtggaagtag ctgcaactgt ggcagcaact gcggttgcaa 120
 caagtactct tttgacttga gctatgttga gaagacaacc acagagactc ttgttttggg 180
 tgttgggtct gtgaaggccc aattggaggg tgctgaaatg ggtgttgagc ctgagaacgg 240
 tggctgcaac tgtggatcaa g 261

<210> 37427

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700945732H1

<400> 37427

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 caaaccaagg ttgaacctgt tacgggtccc gctccggtgg atcccagacc accgctagct 120
 gaggtcctgc cgctcgagaa gaaagcgggtg gcggtgcac cacctgttcc ggctgcggca 180
 gaggaaacca aagctcttgt tattgtggag aaggagaagg agaatagagaa gataccagaa 240
 cctgtaaaaa agaacgcctc ag 262

<210> 37428
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945735H1

<400> 37428

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 ttttaaacaa atatcgtacc gaggttttgg aattttctgaa tgacatattt gacaccctgc 120
 tcaaggcact ttcagatcca tctgatgagg ttgtttctct agttcttgat gttcatgcat 180
 gcattgcaaa agatcctcag cactttcggc aacttggtgt cttcctagtg cacaatttcc 240
 gggtagacaa ttcccttttg ga 262

<210> 37429
 <211> 108
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945736H1

<400> 37429

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 cagctcttta acagaggcgt tttcggcagt cgatgcaaaa catgcctg 108

<210> 37430
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945737H1

<400> 37430

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 ccctcacaac tattttcacc aaaagactga gaatccctca cttcttttagt catgccacag 120
 cactgcatag caccaaaacc aggattctgc aatagtcata actctgtgga aggtccccc 180
 gagatgactg atccacataa ctcgactgtc ctttcct 217

<210> 37431

<211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945739H1

<400> 37431

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 tagccgcttt aaactctgca ttttaattcat catcctgggc cgaagatttt tactcctagg 180
 ccatctggaa gaggtcaagg atcacaaaga gctgcagcag tagctgctct ttcacaagtt 240
 cttatggctg 250

<210> 37432
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945740H1

<400> 37432

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 ggctaacatc atgttccctt ctagaatctt ccggactgtg tccccgcgag ccaaggatct 120
 cttgagaaaa atgatctcta gggactcttc tagaagggtc tccgcagaac aagccttgag 180
 acacccttgg atcatgagtg cgggtgacac ggctgaacta g 221

<210> 37433
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945741H1

<400> 37433

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 tcgcatgtct ccacaacttc ttgcagtgtt gcaagctttt gaggcaacat tggcagagag 120
 gctgaaaaat cttatgccta aaagcaagga tgaaatcctc accttgtctt ggatgacttt 180
 agctatgaag tcactttgtg aaagtcacaa tgacatacgg acccttatga ctgcccttga 240

gcttcctgtg agtgattgg

259

<210> 37434
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945742H1

<400> 37434

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aaagccaggg tcttctgaga aggatggaaa tgttggcaag tttcaccatc agagaaggca 120
tggtgttgaa tttgataatg gtaaatttcc gaacgaattg gataatgctg ctactccacc 180
tggtgaatat gataatggcc atgcaaacct tgatgccac tattcatctt cttcttcaca 240
acaagcacat gatgctgc 258

<210> 37435
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700945743H1

<400> 37435

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gcttctcttg ttctgcttc tttctcggtt cttaaagagg gaaagagtgg tgtgtctctc 120
aaggactcca ccttgttcgg tctttcattt tcagaacctt tcaaagctaa cttcagctct 180
tctgcattga ggtgcaatag ggaattcgaa caaaagctct gtgttgtgg 229

<210> 37436
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 700945744H1

<400> 37436

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cctagacttc aggccaaaaa tcataatctg cgggtggcagc gcgtaccctc gcgattggga 120

ctacaaacgt ttcaggggaag tcgctgataa gtgcggacat tgcttctctg cgacatggcg 180
 cacactagcg gccttgtggc cgcgcagggga agtgaa 216

<210> 37437
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945747H1

<400> 37437

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 atgcgccact cattgagaac tccgatacta atcaaattgt tgtgcc 106

<210> 37438
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945748H1

<400> 37438

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 ctctctatct agtttctctc ttcttgctag cttagctatct atcatcgatc actctcttg 180
 tttaaccacc tgaatgccgg aaaacatgag catatcagtg aatggacaat ctcaagtcac 240
 tcctggcttc aggtttc 257

<210> 37439
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945749H1

<400> 37439

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 cccaattga tgacacaaaa gaaagtgttt tggtgttggg gtctttgggt aaagtgaaag 120
 atgcaaaaaga agtggtgaca acacctcttc tcaaaaaccc ttgcaacct tctttttact 180

atctttctct tgaagctatc tctgttgggg acactcgatt gtccattgag aagtccactt 240
 ttgaagtggg ggatgatggg aat 263

<210> 37440
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945718H1

<400> 37440

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 aattggaccc caattcatat ggtgggtagc tgctcaaagt gtattctatc atctatacaa 120
 tcaagtgtcg tacatgtctc tggatcagat ctctcccttg acgttttagca ttggaaacac 180
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<210> 37441
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 <212> DNA
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<223> Clone ID: 700945750H1

<400> 37441

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 cgtgatgaaa tagaacatct catggatgat gatggtgaca tggctgagat gtgcctaact 180
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<210> 37442
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945752H1

<400> 37442

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 aaaactatgg tgtcgggcaa acttgatgcc atcttgccag ctgctac 107

<210> 37443
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<223> Clone ID: 700945685H1

<400> 37443

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 agaagtaagt tcacaaacaa gattcaagaa taagattctc tgatgaaagg agagaaatat 120
 gtctgaggat ccgctgggta taaggagtga aagaggggat catttgtttc ttgaacagtt 180
 cttttaaaaa aattttctat cggatttttg agcataggag attttatgat ttatgacttg 240
 gaggattttt cagaata 257

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<223> Clone ID: 700945686H1

<400> 37444

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 attaaatgaa gaagcaagca gccagattat gatcaaatgg tggcatgtga tcatttgta 180
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<210> 37445
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 <212> DNA
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<223> Clone ID: 700945687H1

<400> 37445

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 gattttcgtt tggtttagag ttttacagaa tttttttaat ggaattaatt ttgaattgtt 180
 ggatgtaatt gcaagatatg tttaaattac ttaagtcata tatttacatt agtgccggga 240
 ttaatttttc aaataaat 258

<210> 37446
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945688H1
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 caccctgag cttgggtgtt gaagggtag catgaggaaa acagcctcca agactgtttc 180
 ctcaggaagc ccatggtacg gccagaccg tgcaagtact tgggccatt ctctggtgag 240
 ccccatcct atctcac 257

<210> 37447
 <211> 255
 <212> DNA
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 <223> Clone ID: 700945689H1
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 attcccttcc aagatgaaag tttcactact gatgggtcat tggatacaaa tctagactgg 120
 atatctggaa tgaaaaatat gcgaatcaga gattgtccaa gtttcgtgag aactaccact 180
 ctagatgaaa ccagttttat ttgctttggt aagaagcaaa aacctgcatg aaatcatctt 240
 caatcataat taaca 255

<210> 37448
 <211> 256
 <212> DNA

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257

<210> 37451
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700945694H1

<400> 37451

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cacttggtga atattgcttc atcatatgtg acaatgatga taatccactg ctcttaagtt 120
tcatccaatc acaggaaaaa aaaaaaagt aattcgtata attgctgctg ctatgggatt 180
ttaggaatgt attttaggcc tatcggttac agtatgtgaa aaaatggatt tgattcatgt 240
aaaaaatact cagcattagt t 261

<210> 37452
<211> 126
<212> DNA
<213> Glycine max

<223> Clone ID: 700945695H1

<400> 37452

cttcgtcgat gttcaacaca gttgcaacca aaaagatagc cattctgggg tttgcattca 60
agaaggacac tggggacaca agggagacac cagcaattga tgtgtgcaaa ggactactcg 120
gtgaca 126

<210> 37453
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700945696H1

<400> 37453

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ttccatgget ctctcatccc catccttggc tggcaaggcc gtgaagctgg gcccatcagc 120
cccagaagtg ggaaggggtga gcatgaggaa gaccgtcacc aagcaggtct cctcaggaag 180

cccatggtac ggcccagacc gagtcaagta cttgggcat tctctggcga gccccgtcc 240
 tacctaaccg gtgagttcca ggcg 264

<210> 37454
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945701H1
 <400> 37454

ggatgaacta ggaaagcttg aagcaattga ttgtggaaaa ccactagatg aagcactggc 60
 agacctggat gatgttattg gttgttttaa ctactatgcc gagcttgcag aaggattgga 120
 cgcaaagcaa aatgctcctg tateccttcc tatggaaacc ttcaagagtt atgttctcaa 180
 ggagcccatc ggagttgttg cattaattac tccatggaac tatcctctat ttgatggcta 240
 catggaaagt tgctcctgct ctagctgctg 270

<210> 37455
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945703H1
 <400> 37455

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 tattccacca agacaccttt tttaacaaca ctaacggtag cagcagtacc acaaccaact 120
 gtggaagact cagtagaaaa agggctcttct gtgatggctc tgatttgatt accgagacca 180
 agtcccaaag gcttgtactt cactgactta ttatcacaag tcagagattc acacagtaat 240
 ttctacttta tatatatcca agttctta 268

<210> 37456
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945704H1
 <400> 37456

gtgcgtgtgt gtgagaatgg aagagagtgg tgatgcgaag gatcttcaga aaccgttcct 60
ccacacaggg agttggtaca acatgggttc caggcagtcc agcatcatgg gatcctccac 120
tcaggttata cgcgacggcg tcgtttccgt cctctttctgc gtcctcatcg tcgccttggg 180
tcccattcaa ttcggcttca cgtgtgggta ttctttctcca acccaagggg ctatagttcg 240
cgatctaaac ctctctatct cg 262

<210> 37457
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700945705H1
<400> 37457

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ccatgctcag aggtacattg gcgggtaggg ttctgacgtg cttcttcttc aagcttggtc 120
tttctctgct tctacctttt cagatctccg ctgaggggttc atcgatatata gagttcgtac 180
tcacattgga tcaacttaac ttttacgaca ctgtcagcta gcacgagttc atcgctcgctg 240
agttctacgc tccatgggtg g 261

<210> 37458
<211> 192
<212> DNA
<213> Glycine max
<223> Clone ID: 700945707H1
<400> 37458

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gcctcgact ggagtacct ctccaatttc cttcaaattc catcaaataa gtttctctta 120
tacctctga atattcttca tcatcatcat cattaatcat ggctcttttg atgtattttg 180
tgcgttttct tg 192

<210> 37459
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700945708H1

<400> 37459

gttcataaat gctcgagttc gagtgtggaa accaatgggt gaggaatac acacgcttga 60
 aacaaaagca acaggctcca aggacaattg tggataaac gagggaactt cttctgccac 120
 tggaggtgat accagccacc ctagagcttt gggcaatatt ggtctgaatt caatacctga 180
 aaccaattt cagggatatag atatggggtc atccatagct gcaaagtctg aggaaagtgg 240
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<210> 37460

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700945709H1

<400> 37460

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 tggattcagt gcctcgaaga agcagaggag gaggcgtttt cgaaagcctc tacaaggctc 180
 tcatgcgccg caactccgtc tacgtcacct tcatcatcgc cggcgccctc ctcggagagc 240
 gggctgtgga ttacggagtt caca 264

<210> 37461

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700945710H1

<400> 37461

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 tgccaggtta atcagagaga tgtttgggta tgcacgtgat caccagccgt gcatcatttt 120
 tatggatgag atcgatgcca ttggagggtc gccgtttcag tgagggaaca agtgcagatc 180
 gtgagattca gagaacgcta atggagctgc gtaatcagct cgatggattt gatcaacttg 240

<210> 37462

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945711H1

<400> 37462

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 cgatcctggg gcccgagtg tggctgagca agcagggcgc caccgagtgc gagcgggtggc 120
 tggagaagcc ggtgatcgca ctcggcgtct tctcatgct cgtctcactc gccggcctcg 180
 tcggcgcggtg ctgtcgcggtg tcgtggctcc tctggctcta cctcctcgtc atgcttcgtc 240
 tcatcgttct tctcttcg 258

<210> 37463
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945712H1

<400> 37463

aagtagaagg caggaggag caatttctga gcacagtgt attcatggag ggatccatct 60
 tgatgcgtca aaatgctccc tctccatcca tttccagat ctagcattct tctttggatc 120
 aaaatcagac accatttttc tctcttcaact cttcactctc acctctgtcc ctattctgct 180
 tgttagctct ctcttcccat ttctttcacc taatgtgact tgcctcatct ttatgcaaac 240
 gttaaagtta aacttgttct c 261

<210> 37464
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945713H1

<400> 37464

aaaatgccca ctttttttct tccaacgtc ctcctccttc tcatagcctt cgccacctct 60
 gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120
 gacgacaact tcaagggcac ccggtgggcc gtctcctcgc ccggttccaa tggttactgg 180

aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggctctg 240
 aaagaagaaa atattattg 259

<210> 37465
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945714H1
 <400> 37465

ggagagaaac cagctttgag acagttatgg ctcacggtgc ttacagcaag cggcgcgtga 60
 acgcaacgcg tagatccaac tccaagcctc tcggcatcgc caagaagtcc aaaccctccg 120
 tttccctcaa aaaccagatt cgatcccttg agcgcgatgct ccgcaagaac ctgcctcccg 180
 aggtgcgcga ggcgaggag caaaagttgg aggcactgaa gaagcagcag gagattcaca 240
 cgcgccctcg cgccgaacgc a 261

<210> 37466
 <211> 103
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945715H1
 <400> 37466

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 atcaaattag aagacagcaa agaggagcac aactgaagca gag 103

<210> 37467
 <211> 114
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945717H1
 <400> 37467

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 tgttggagag atcagatggt tgcagctgcg taagtgtaac cctaataccta ataa 114

<210> 37468

<211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945684H1
 <400> 37468
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 tggcttgctg ggttcctctc aggctgtgtt ggaaggtagc cttcaggtga gtggctccac 120
 acgcttgaat gtggggagtg gaagcagggg ggcctcagtc acacgtgcag gggtcacagt 180
 tagagcacia caacaacaag tgagtgggtga ggtacaaagc agccgtcagg cagtgtcttc 240
 acttggtgct gctgggtt 258

<210> 37469
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945656H1
 <400> 37469
 ctctcttctt cccccaacaa actaaaccaa accataccat taagaaacaa cacatctatc 60
 tcagtcccca aaccaagaaa ccctaaatta aattcatgtg ctctccagg tctaccagtg 120
 ctgcaccaac aagaccttgt tacttggaac aaggccacgg cttggcttcc ttaaaacaca 180
 tggatgcgtg tcataatcgt gccacaact ttgtctcagg tccatgacca tgggttacgg 240
 cacttcctac cacagaacta g 261

<210> 37470
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945657H1
 <400> 37470
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 gcaaccaaga ttttgaaaag gctggagagc tacgagatag agagatggat ctttaaggcac 120
 agatctcaac tctttagtag aaaggcaagg agatgagcaa ggcagagagt gaggcagggg 180

atgcaagtec tgttgtgact gaagctgaca tacagcaatt gtctcatctt ggactggat 240
 tcctgttgag aaagtctcaa ca 262

<210> 37471
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945659H1
 <400> 37471

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 atcatcttgg gagacctatt gctcttgatg ctggggctca attatacacc atcctagaac 120
 tttgccgagc atttgaacgg atattcaagg aacatttaga tggagggcgt ccaggaggag 180
 ataggatata taatgtcttt gacaatcagc ttcctctgct ttaacggaagc ttccacttga 240
 ccggcatctt tctctccaga 260

<210> 37472
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700945660H1
 <400> 37472

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 aagccaattc catttagatc agagtcgctt cgattcctga tgcaacatac tgtgganagc 120
 cctaaaatgg aggggactgt cttcactcct gcaactgcaag aaattgagca tgtaaagtct 180
 gatcaaggag aaattctgag caagcttttc ttggatgcgg caaacacata ttgctgttaa 240
 tagataagtt tggagctgct atggc 265

<210> 37473
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945661H1
 <400> 37473

cggtcgcgg taacgccatt aattagacaa cctgtgaatg gaatttgtat cattaacatc 60
aacttaatga gtggggacac tgataatatt ggtgggttatg ggcctgtatc tgaattggat 120
tatcatcaag acgattttga agcgactgaa attgggtctct ttgattgtga agaggacgac 180
aatttggctg aagttgacac cacaatcaaa ggtagacgag aagacgtggc atctttttga 240
gactcagaat agcagataag gaaggtcgaa tt 272

<210> 37474
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700945662H1

<400> 37474

gcgttgaggg gtactcaact cctggggggtt attctgcaag ggcagtcctat cccatagcac 60
ttgggaaggt gatgagcatt gcaaagatga tgaagtcaga gtttgatagt gagaactata 120
cactttctgc cattggtggt gttgagacag gcggtgatgc tgctgagttt atccttctcg 180
gggcaaacac tgttcaggtg tgcactgggg ttatgatgat ggctatggac ttgtgaagaa 240
actatgtctt gagcttcaag actt 264

<210> 37475
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700945663H1

<400> 37475

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ctaagacact gggtcaccga ataccatgtg gatggatttc gatttgatct tgcaagtgtc 120
ctgtgtcgag gaattgatgg ctccccctc aatgcacccc cacttattag ggctattgct 180
aaagatgcag tattatcaag atgtaaaatt attgcagagc ttgggattgt ggaggtctct 240
atcttgttgg gagtttcccta at 262

<210> 37476
<211> 270

agaaaaaaga gagcaagt

258

<210> 37479
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700945668H1
 <400> 37479

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 acgaagaaat caaagactat ggaacccttt tcttgtctca tattgctgaa gatataactg 120
 attccgccac attcgcagat tcangntcca aaagaaggac tccgaatcca agatgtactt 180
 gttaggattg cagtctctgct cttgataagg gacaggtgaa gtatgcgtca cacattcctc 240
 aaactccatt gtttt 255

<210> 37480
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945669H1
 <400> 37480

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 tcaccattgc cctctatggg atggcttcaa ggaaaagaag ctaaagtggc ttgagagatt 120
 tgcctatgca aacacaactg tctatccatt cacctccatg cctctagttg cctactgtat 180
 tcttcagca gtttgtttac tcaactgacga attatcatgc caccgattag cacctgtgct 240
 gggttgtac 249

<210> 37481
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945670H1
 <400> 37481

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 taaacgacgt gaggaggatg caacgctgcc tcatcgatcg atacggtttc tccgaagacg 120
 acatcacctgt tttgatcgac acggacgagt cctacacgga gcccacgggg aagaacatcc 180
 ggtcagcggt gaccaggctg gtccgatcgg cgagctaggg gacattctgt tcgtccatta 240
 cagcggacac ggcacg 256

<210> 37482
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945671H1
 <400> 37482

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 agaggaaggt cctcttcaat cctgtctttt tcatcggtga tctgcgctag ggctccgtaa 120
 tcagacacct ttttcctctt acttcattta acctcacaac aatcaagtct tgcgttgaat 180
 ctccgctgct tttttatggt ttacttttcg attgatcatt ttttcatttg cgaaatgcgg 240
 cttaagattt tcattt 256

<210> 37483
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945672H1
 <400> 37483

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 gagaagagaa ggtgtctttg gaactcagcg aagaaattct tcagagtatg gaagtgggaa 120
 tgtccttcaa agactataac ggtagaatta gtgcgttga ttttcacagg gcatccagtt 180
 atctagtgac cgctagtgat gatgaatcca ttcgctgtat gatgttactg gtggaacatg 240
 tttgaagaca attaatagc 259

<210> 37484
 <211> 257
 <212> DNA

acaggaaatt cttttgccca

259

<210> 37487
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700945677H1

<400> 37487

gctcaagaaa agatgagtgc tctggttgaa gctctattcg aggggaactga gaaagggttt 60
gctaaagaag ctgataagaa gaagaactac tttgctgctg ctgttgccga agagggatcc 120
cagctgttat tgcttcatgc tattgaagaa ttttcttgca agtctacttc caatgctttg 180
aaggagggttg ccctggttct aaaggcactc tatgatgctg atgtggttga ggaagagcac 240
atagtgcagt ggtatcaaaa g 261

<210> 37488
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 700945678H1

<400> 37488

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tggagcagat ctgattgtca cccaattatt ttatgatagc gatatttcc tcaaatttgt 120
gaacgcctgt cgccaaattg agaatcaacg tg 152

<210> 37489
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700945679H1

<400> 37489

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agaaccttga cccagagttt gtgaggtcag aagttgctcg tggacgtgct atcattcctt 120
ccaacaagaa acacttgag ttagagccca tgatagttgg aagaaacttt ttggtaaaag 180

taaatgccaa cattggaaat tctgcagttg caagttcata gaagaggaag tttacaaggt 240
tcaatgggca actatgtggg gag 263

<210> 37490
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700945680H1

<400> 37490

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tccaatgggg cattttctgca caccgataca ccagcacctg catcatcctt gcttccttct 120
gggcttttcta attctagtag tcctgccgct gatggggccaa gttccctttc ggtgacacta 180
agtctttctt cctcaatggg gatcgcgctt ccattttcag gttgccaccc aagagaggac 240
cagacaatgc tccttttgtt ttggg 265

<210> 37491
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700945681H1

<400> 37491

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agatctgcat cttccatttt ttaggattaa gcggtgagat tcgtgaatct gagaaatgtc 120
ggattcttct cgggaggaga atgtttacat ggcgaaattg gcggagcagg ccgagcgтта 180
cgaggagatg gttgagttca tggagaaggt acaaagactg tggaggttga ggagttgacg 240
gtggaggaga gaa 253

<210> 37492
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700945682H1

<400> 37492

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 tgagatgggt tctgggacta agaggaagta ttacatgcta ggtgggaaag ggggagtagg 180
 gcagacaagc tgtgctgctt cacttgctgg taatttgcca ataatggaca ccctactctc 240
 gtggtttcca ccgat 255

<210> 37493
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945655H1

<400> 37493

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 tagaactgat atttctacag atgttgacac gcatgatatg aatccacggg ttgatagaag 120
 tcagtccttt gttgctgttg cttctgactc cagtgcacaga tcaaaggata aatcagatca 180
 taagagtctc cgcaggcttg ctcaaatcg cgatgctcaa gaaaaagtcg gtttatatag 240
 aaagcttatg ttcaacagct cg 262

<210> 37494
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945629H1

<400> 37494

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 ctatctgaag aagaagaagt tctgaagaag catgtgtgga ggtgctatca tctcagactt 120
 cattggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctgtgggtccg agcttgacct 180
 tttctctgac ctcttgggt tcgataccac caccaccacc acaaccaacc accccttcca 240
 gacaaaaaag tgggtgtcatc atgtgaga 268

<210> 37495
 <211> 269
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945630H1

<400> 37495

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agcaatcagc attcactggg caaactgctc tgaagcagct caatgagttc gtccgcaaga  120
ccggtggcgc cggcaaaggc cgcactaaca tgcgccgcac cgtcaagagt gtcctcaga  180
gcatttggtg tggccctgac cgtcccaagt acttgggtcc attccggagc agattccatc  240
atacctgacc ggagaatccc tggtgacta                                     269

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<210> 37496

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945631H1

<400> 37496

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ttttcgccat gcaactagcc agtgcctcag tactccctat ggttctcaaa tcagctcttg  120
agcttgatct gttggaaatc atagccaagg ctggccctgg tgttcacctt tccccctccg  180
acattgcttc tcggctccca acacacaacc ctgatgcacc cgtagttgg accgtatatt  240
gcgcctcttg gcttgctaca atatcctctc t                                     271

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<210> 37497

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945632H1

<400> 37497

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tattagattc tataggtaca aggttgggtc gcgctttgga cggcatattg atgaaagtgt  180
tgatcttggg gatggaaaac gcacttatta tactctgcta gtgtattgag tgggtgggcct  240

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ggtgaactta aatcaaagcc caaaaatgat t

271

<210> 37498
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700945633H1

<400> 37498

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accaccctaa ccgacggatc caaaccaga tgatcccacc gtgcctgaaa ttgctcatat 120
gtacaagaca gacagggtcca agtatgagac aactgctagg agctggactc agaagtatgc 180
aatgggctag caaattggaa taacgcatta tattatagga taggacgtgt tccttcatt 240
tgttaaaaga cattaatgta taatc 265

<210> 37499
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700945634H1

<400> 37499

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aggaggcaga ggaagccaag aggaagagaa gaagccttct gatcaaggag cacatattaa 120
tctcaaagtc aagggccagg atggtaatga gggtttcttt aggattaaaa gaagcactca 180
gctcaagaaa cttatgaatg catactgtga tcgtcgattg tagattttta ctcaattgct 240
ttcttgtttg atggaaggag a 261

<210> 37500
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700945636H1

<400> 37500

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gaaacagtct ttttactatg ttttatgttt tttgaatddd cgaaatdddg gaacgttggc 120
tagttaggtg ccgtatgtag tagtttcttt atggtaaatt tgtgtccgct cctggccaa 180
tgaatttggtg ctttcttcgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aggggggggc cgg 263

<210> 37501
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700945637H1

<400> 37501

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aacaacacca attttgtcca agttcacgcc tttgttgag ccatggccaa atgatgctac 120
aagaatggaa ctagaaacct gatcaggaca tttgacctga ggaaacctgc cctctaggca 180
agtctgatgc ttggcttttc atccctgctg ttgagaacaa ataaggcatg gctcatctca 240
tgagattatt tagcatatta ta 262

<210> 37502
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945638H1

<400> 37502

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aaaacaacca gttcataccc tcagtdtttct gaaccagctg gtctattgtt ttdaatctgt 120
gcttctattg gactcttccc tgcagtgggc attcttccat ttdctccaat tcccctctg 180
cttctctttt cttacatatg cagctcatca cttccattag gccatctttd ttdtggtagc 240
ataaacatgt gctatgag 258

<210> 37503
<211> 261
<212> DNA
<213> Glycine max

<210> 37506
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945642H1

<400> 37506

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 acctactgtt cttcctttca taatagtttt ctttgggctc gcctatgttg tgttccgtca 180
 tcagattatc aatgtttata atcaagatac gagagtgggt cagcattctg gcctgatgtc 240
 cattttcgtg 250

<210> 37507
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945643H1

<400> 37507

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 cgcttttctct catccatcat gaaaggagga aagtccaaga ccgaatctaa gagagccgat 120
 gccaaacttg ctgtgaataa gaagggcgcc gccaccaaga ctaggaaacc cgccggaaag 180
 gggaaggcag cgaaagatcc taacaagcca aagaggcccc aagtgctttc ttcgttttca 240
 tggaggaatt caggaagggtg ttc 263

<210> 37508
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945644H1

<400> 37508

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 atcacctcat ttcatttttg atgtaccgag gagatgcttg aacaccaagg aaactagggg 120

tggagaaggc cacaagaag aatcattcta tttaaagtca gcctatcagt caggttagtt 180
 gatgcctggt cctcaaaggt tcaaaacatt cctttgnggg tagctgatgg gtgtctcctt 240
 acaaattctc agcgtttaaa ggga 264

<210> 37509
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945645H1
 <400> 37509

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 acctttttgt tgccctctttc ttctttgacc gggctgctga ggctgggtttt gctgatccaa 120
 acttgccagt cgcgatagtt cgtcctgcag attttgagga tgcagctaag caagcatgcc 180
 aaacaaaact tgagaatgcc aaatccactt ttctcgttt gatgagggga accttcctta 240
 tctttgcatg gatcttatat acc 263

<210> 37510
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945647H1
 <400> 37510

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 cagtctgatg ttatgagatt cttgcagcgg gtgaggtgct gggagtaccg ccagcaacct 120
 tctattgtcc gtttgacaag gtctactcgc ccagacaagg ctgcgcgctt gggtttcaag 180
 gctaagcagg gttatgtgat ttaccgtgtt cgtgtacgaa ggggtggccgg aagagaccag 240
 ttccaaaagg tattggctat ggtaagc 267

<210> 37511
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945648H1

<400> 37511

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 caaccagacc aatattcatg tctatcctga ttgggcagcc atgcaggcat attatgggcc 120
 aagagtcacc atgccaccat actacaactc agctgttgct tctggtcacg ctctcaccc 180
 gtacatgtgg gggccaccac agcctatgat gccaccttat gggctcctta tgcagcaatt 240
 tatccacatg gaggggttta tact 264

<210> 37512

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945649H1

<400> 37512

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 ttctgcaaac aaatttgcatt cttcaaaagt cattgatttg ccgaagggca accttgcagt 180
 ctatgttggg gagaaaatga ggcggtttgt gattcctgat cataacttgaa ccaaccttca 240
 ttccaggact tgttaagtca agc 263

<210> 37513

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945650H1

<400> 37513

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 caactcttct tcacgtcaaa cgtagaatat ctttttcttt ttccctgtt ttaatcttaa 120
 cccaattttt actctcgcaa agtgggtgat ttgaggaagt ttgatttggg aaatgaacaa 180
 aggacagtca ccggagcctc ttgatttctt catctggact gttgaggatg ttggcttttg 240
 gctggagact ataaatct 258

<210> 37514
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945651H1

<400> 37514

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 aaaattgttt caaatatcaa tatgggttgg ctttgaaaga gtgggtgtaag tttaaaattg 180
 tgatgcagtc aaattagatt gactcgtaa tgtgtagctt attgttgatt gttgacattg 240
 tataaactgg gttttggt 258

<210> 37515
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945653H1

<400> 37515

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 cgcaaccctc ctctcgccc tctctccanc ancancgccc ccgcccgaac gtctccgat 180
 caagacgagc ctctctcaaa ggactcttga agaacaacca catccaccac tttgggggta 240
 ggcttttaaaa taaataaaaa 260

<210> 37516
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945654H1

<400> 37516

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tcaatccaag gtcctcttat tgttgcttca actcttcaaa tagtactggg cttcagtggt 180
 ctctggcgta atgttgcaag gttcttaagt ccacttcgtc agttcctttg gtatctcttg 240
 ttggtttttg gctgtatgag t 261

<210> 37517
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945628H1

<400> 37517

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 ctcacgtcg cgggcgaact tcagatcgct gctcttgctt ctccgaagtt tgtgccttgc 180
 gggttttttc agaggcagtt gttgttgga tctttagta cgggtttttt ggctcactag 240
 tggaaaattg tcatagatgg gctg 264

<210> 37518
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945604H1

<400> 37518

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 ggaagtatgt caacacatat aggagaacat ttacaactaa aaatgggaaa aaggtgagca 120
 aagctcctaa gagacaacgg ctggtcactc ccctgaccct ccaaagaaag agggcaacga 180
 ttgcagataa gaagaagagc attgccaaag caaaatcaga gcagcagagt accagaaact 240
 tcttgctcc agattgaagg ag 262

<210> 37519
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945605H1

<400> 37519
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 acaaagaaga cctactgcaa gagcaaggag tgcaggaagc acacgctcca caaggtcacc 120
 caatacaaga agggcaagga cagcatcgcc gctcaggaa aacgccgtta tgaccgcaaa 180
 cagtccgggtt acgggtggcca gaccaagccc gttttccaca aaaggcgaaa accaccaaga 240
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<210> 37520
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945606H1

<400> 37520
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 tcgtcttcgt ccccttaatg aaaaggagct tgcaagaaat gatgtttcag attgggaatg 180
 catcaatgac actaccatca tatacaggag caacctttca gtactgacag gtcactctac 240
 ccaacagcat attccttgac 260

<210> 37521
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945607H1

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 gccatggtgg ctatgttccc taagaactac tcttcaatgc acaatagatg tgcaagtgtc 180
 ccctttcgcg tatcaagaat aataagtatg ctattaataa cggatcataa taattaataa 240
 cgtaacaatc atatcatcac catta 266

<210> 37522

<211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945608H1

<400> 37522

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 acttagttag accatttctc tcgtttcttc ctgaagttca gactgctgac aggaaagtgc 120
 catttagaga gaaggtcata tatactgtga tctctctggt cattttcctt gtttgcagtc 180
 agcttcctct gtatggcata cactcaacaa cagggtgctga tcattctatt ggatgcgtgt 240
 tatccttgct tcaaaccgtg gaactg 266

<210> 37523
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945609H1

<400> 37523

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 gcacgtgttc ccatagtaaa gctcatggat ccagtgcagc gaatatcttg tgacatatgc 120
 attaacaatc tcctagctgt tgtgaatacc aagcttcttc gggattatgc acacatagat 180
 ccaaggttgc gtcagctggc ttctattatt aaacattggg ctagtcaaga agagtcaatg 240
 aaacttacca tgggaccttg tctagct 267

<210> 37524
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945610H1

<400> 37524

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 tgctgctttt cagttcagca ttgccaataa ctgctagtcc tcctctctg agcccaactc 180

cagcaccagc cccggcacca gacttcgtga acctcactga gtactcagtg ttgctggtcc 240
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<210> 37525
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945611H1

<400> 37525

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 tcaatacgtg tttgctagct agttctggct ttctgttgct tcttttattt tataaatttc 120
 attgctcatg agtcatgatg cgattcttgt acgtgcatgg atggttaact tctcgttatt 180
 ctgtcgcttt aattggtggt tgtttttatt taacaaagtg taaattaaat aaattcccga 240
 tgctttctta tgc 253

<210> 37526
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945612H1

<400> 37526

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 gcgtccaaga cgtatcctca gcaggctggt accattcgca agaatggcta catcgtcatc 120
 aaatccaggc cttgcaaggt tgtagaggct tctacgtcaa agacaggcaa gcatggacat 180
 gcaaagtgtc actttgttgc aattgatatt tttaatggga aaagcttgaa gatattgttc 240
 catcatccta caactgtgat gttcca 266

<210> 37527
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945613H1

<400> 37527

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 tgttctagag aacgagtttg agcagttggt gatgtcctct gaagctctag atcattctga 120
 tcctaagtct ggaaaagtgt ctctcaggg tcttaacaaa gatgttaaag ctattcttat 180
 taacttgaca ccaaatcac caagggaaag ggggcccaag tctgtctgg gcttgcaaag 240
 cacctcgaga agccagcaca gcatgtg 267

<210> 37528
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945614H1

<400> 37528

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 atgggtcgag tgagaacgaa gacggtgaag aaatcctctc ggcaggtgat agagcgtcac 120
 tactcgcgca tgaccctgga cttccacacg aacaagaagc ttctggagga agtggcgata 180
 atcccgtcga agaggctaag gaacaagatc gcggggttct cgagcacctg atgaagcgca 240
 tccagaaggg ccctgtgcgc ggcattc 267

<210> 37529
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945615H1

<400> 37529

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 tcgacaatgg cggagacaga gacgtttgct ttccaggctg agatcaacca gtcctcagt 120
 ctcatcatca acaccttcta ctccaacaag gagattttcc ttcgtgaact catcagcaac 180
 gcctccgatg ctttggacaa gattcgattt gagagtttga cagatagagc aagctcgatg 240
 ctcagccaga gttgttcatt catattat 268

<210> 37530
 <211> 255
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700945616H1
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 aaccaacgga ttgcaggagc cgctgcacaa gtctttgggt gattcagctt ctgaggggtga 120
 aggggtccaaa gtgacctttg aggcttgtaa acaggaggac attagctcag ccaagagtga 180
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 <213> Glycine max
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 tcaaaaatac ggcaagggttc cgggattagc ggtggtgata gtagggacca gaaaagattc 180
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 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945618H1
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 ttccacttat gacagggcgg ctgatgtgaa agcctttgat gattcaaaag ctggtgttaa 180
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256

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945619H1

<400> 37533

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 aggaatgggc gcagatacat cagctcttga tacagcattt acatctgat tggcaagttc 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945620H1

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<223> Clone ID: 700945621H1

<400> 37535

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 gccagtctct gcatacctca gagcatagga tatgctactt tagcaaaagt tgctcctgaa 180

tatggcctgt ataccagtgt tgttcctcct cttatttatg ctatgatggg aagctcaaga 240
gaaattgcaa ttggacctgt ag 262

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<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700945622H1

<400> 37536

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tgcggaggct gcaagatgta cccagacttg atctacactg agtcaaccac caccgagacc 180
ttgggtcatgg agtggcacct gttaaggctc aatttgaggg gctgaaatgg gtgtgcccgc 240
tgagaacgat ggctgcaaat gtg 263

<210> 37537
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945623H1

<400> 37537

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cttcatcaat atactcatct tgttcacctc agctcactcc ttccttcac ctcctgcagc 180
tcttctgcca aaggtcccaa aagaaaagca tcattagaag tgtacacaaa catggggccat 240
gctcccaact gaataatc 258

<210> 37538
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700945624H1

<400> 37538

<213> Glycine max

<223> Clone ID: 700945627H1

<400> 37541

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gagaaaaact gaagaagctg caatggccac caagaggta aaggagttgt tagaagcacg 120
taaaacttcc agccgagaaa ctttagttac aatgaatgga agtggaaaca atggtcagag 180
cactgagaaa tctttacaac ggtggcttga tcatgaacta gagtcatggt agaagagcat 240
gaagttcggt ttgagtatga gaaaca 266

<210> 37542

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700945603H1

<400> 37542

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agaaactgcg aggggctaag ccaggaaagg tggaactgaa tgtgataagt tatgggtggga 180
gtgtgaacat ctcaacaggt gaggttaaca ccaccatcat ggatttgtat atactgataa 240
gcatcttgct atatataagg tggg 264

<210> 37543

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945563H1

<400> 37543

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gatgtggagg aatacaccta tgtgacatgc cacgtaccta acaaaacgtt cactaaggta 180
tactatgatg gtggtgaagg tgaaattcgg agacattaca acaacagcaa cgttggagtt 240

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273

<210> 37544
<211> 129
<212> DNA
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<223> Clone ID: 700945564H1

<400> 37544

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ttgaatttga tgcagcaagg aaatgatgat ttcattccttt taagaggaat gtgacactag 120

gataatgct 129

<210> 37545
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<223> Clone ID: 700945566H1

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gctacagccg ccgttgccgg cggtttatat gccattcttt catcctcaac ctctgctagc 180

tctgagatgg aagtgccgtt tggcagcgca cggcgtgaga gcaaagaacg tgacgatgggt 240

ggctccgggt ctcatcctcg cgaggggtg 268

<210> 37546
<211> 270
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<223> Clone ID: 700945568H1

<400> 37546

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cttttctgca agactttgaa atcacgtgggt caaagactca tatcaggcaa attgatcaag 180

gcagatccat ccaactcatt ctagatcaaa actctggttg tggctttgct tccaagagta 240
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<223> Clone ID: 700945569H1

<400> 37547

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<210> 37548
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 <213> Glycine max

<223> Clone ID: 700945570H1

<400> 37548

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 gatcgcttgg aacagctgat gagcacattt ggtggttttg atccaatttg ttggtggcag 180
 tccatgtaat aacctggctg gtagcaacag ggtcagccgg gatggactgg agggaaaaga 240
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<210> 37549
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945572H1

<400> 37549

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aagacggtgt ttgtatcat tatgatccca cagcttgccg cgaaggagat gattataacg 180
 ggaatataaa ttatgttttt gcatatatgg aagggtgatga cgatgatgat ggtgggttatg 240
 attatgctcc cgcagcataa attgggttt 269

<210> 37550
 <211> 268
 <212> DNA
 <213> Glycine max
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 ccaaagggtc tcagttttcc atggcttgac tcgccccacc atctcaattc aaagctacct 180
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 <213> Glycine max
 <223> Clone ID: 700945574H1
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 ctgttatgct acttctactg ctgcagcaac aactcaagtt tcagggaatg aagagctgcc 180
 aaagacaaac ctaaattgggc atgatgaaga agcaaaatgc ggattttttc atcataaacc 240
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 <211> 280
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 agccggtacc atccgcaaga acggctacat cgtcatcaaa ggccgcccct gcaaggttgt 180
 ggaagtttcg acttccaaaa ctggaaagca cggtcacgct aagtgtcact ttgttggaat 240
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<210> 37553

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700945578H1

<400> 37553

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 actatataat aatttag 137

<210> 37554

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945579H1

<400> 37554

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 tgatccagat ctacacgccg atggtgggtt tggccgggtc tttcatagat ctggtgcgta 180
 gaggctcaga tctacggtac cgaggtacaa cagagaatcg atgacaagaa cgcagatccg 240
 acggtagatc cagccgattc cgcttggt 268

<210> 37555

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945581H1

<400> 37555

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ggattctgca gcacatttcc ttgatttttag tgcattttatt gtattttactg tctagctact 180
ttacaagaat ggtatacggt gtatttttagt aattttttgt tgttggtacc tattgtcgta 240
tgttatgggt gactgattca ttgcctcttt 270

<210> 37556

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945582H1

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ggttcgagca agcgagccat aggaaagtac atagaacaag tctacaagga ccttccaccc 180
actcaccctg ccttggtgac tcaccatctc aaccgattga aatcctctgc cctcctcgtc 240
ctcgtcaaga aatcctacaa gcttcctgg 269

<210> 37557

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700945584H1

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gcatcttacc ggtgaat 137

<210> 37558

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945586H1

<400> 37558

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 ggatccccta atgtcaggag agttgctagc acttggtgaa cactcccttc ccaagggtgct 240
 aagtgttaat aaattggaag aggtttttaa 269

<210> 37559

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945587H1

<400> 37559

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<210> 37560

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945588H1

<400> 37560

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267

<210> 37561
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 aagctttgaa gattgaccta ctaagccatc cagaatacat agagcagaat gccacccttg 240
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<210> 37562
 <211> 265
 <212> DNA
 <213> Glycine max
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 <213> Glycine max
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<210> 37565
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 <213> Glycine max
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<210> 37566
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[illegible]

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attggttgcc	ctactaagtg	cctatagata	cgaaggaaca	aaggttaaag	atgacactgc	180
aaaatcagaa	gccaaaatcc	tttccaatgc	aattaagaat	gctcataaga	agcctattaa	240
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<223> Clone ID: 700945601H1

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caagcgccctc	catggctgca	catttaagaa	gagagctcct	aaagctatta	aggagataag	180
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<223> Clone ID: 700945523H1

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<223> Clone ID: 700945525H1

<400> 37570

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<210> 37571
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 <212> DNA
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<223> Clone ID: 700945527H1

<400> 37571

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<223> Clone ID: 700945528H1

<400> 37572

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 <213> Glycine max

<223> Clone ID: 700945530H1

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 tcccattttt aagccagtac cgaaaccagt tcccatttat aagccaattc caatttttta 180
 gccagtacca acaccaattc ctttttttaa gcctatacca aagcctgttc ctattgttaa 240
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<223> Clone ID: 700945531H1

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<210> 37575
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945532H1

<400> 37575

atctcattcc cgtccccggc gactgagtag cggctctctc ccaactcgga actcagtcca 60
 ttccgcattt caattttctc ttcacttggc aaagcccaaa ccaaaccctg gctgaagaag 120
 agaattgact gagaagaaga acacagaaat gggctccgaa ctgattttca gagggcacga 180
 gaccagccc gtggacgacg cgtactcacc aaagccccac aaaccctggc tcaccgtgac 240
 tcgcccgatt cactacatgc tccatgagca gcga 274

<210> 37576
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945534H1

<400> 37576

gagggttttga cgcaacacac tttcactgag aaaggatctc tatctaccaa ggagcagaat 60
 aaaacccttc tctctggtaa gtgaataaga gaatggcttc agatcggaac cttcacactt 120
 tcgaggaggt ggcaaagcac gaccagacca aggattgctg gctcatcatt tctggcaagg 180
 tgtatgatgt cacccttttc atggaggatc atcccggagg tgatgagggt ttgttatctg 240
 caacagggaa agatgcaacc aatgattttg aagatgt 277

<210> 37577
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945535H1

<400> 37577

gtgaaacact agctagggtta ttgggagctc tcgttgtttc ggagttaggg accttacgca 60
gccatggcca ctgctacgaa tgccgccgcc gccccaccac gccagctctc ccagaaggaa 120
gctgacatcc agatgatggt ggccgccgac gtccacctcg gcaccaagaa ctgcgacttc 180
acaatggaac gttacatctt caagcgccgc aacgacggga tttacattat taaccttggg 240
aagacgtggg agaagcttca gctagcagct agggg 275

<210> 37578

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700945536H1

<400> 37578

cgtgcgctct cggattccac atgccttccg acagagaaac ccacgcgcag tgctggatgg 60
gttggcctga acgtgccact cactggcgtg acggcgcaga tcacgccccaa cgcgtgtttg 120
cgagggtagc gtcacaatct caagttccag tctgtaacag tttgtgttag ttctgcacag 180
tgggagaacc cgcggagtca gctaccggag catatcaggg tcgttgagat gaacatgaac 240
gattcttggg tccgtgatat tggcctactt tt 272

<210> 37579

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700945537H1

<400> 37579

gaactcactc actggaagcc ttgttgtgag taagggaag gtttcttgca ctgagcacca 60
agttgaaacc tcttgattct ttgcttagaa ttccacag 98

<210> 37580

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945538H1

<400> 37580

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 gaaaatagga cagaacatat tgtataataa taataataaa aaacaacaga caagtttggt 120
 gttcctgttc taatctctgg accatgtcat acaactgaat ctaattgcaa ttcctgtgag 180
 ccgtggcaaa gcttttgaat ttagtgctc tcctctctgt ttacccttcc agatattgca 240
 gatacagcaa gatcatgagt gggacttcgg aaaa 274

<210> 37581

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700945539H1

<400> 37581

gccggattta agcggtttga caaatcttca agtgattgaa ttggatgata atgctttcgg 60
 accacagttt cctcagctcg gtcacaagtt ggttacacta gtgctaagaa acaatagggt 120
 caggtctg 128

<210> 37582

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945540H1

<400> 37582

aagggattca tcgttcttct tcccagggtta ttagaaaaag caaaatgggtg aagatttgct 60
 gcattggtgc tggatatgtg gggggctcta ctatggcagt cattgcactt aagtgcccat 120
 ccattgaagt cgctgttggt gatatctcta aaatctcgca ttgcagcctg gaacagcgac 180
 cagcttccta tctatgaacc tggccttgat ggtgttgatga agcaatgccg tggcaagaac 240
 ctcttcttca gcaactgatgt tgaaaagcat g 271

<210> 37583

<211> 130

<212> DNA

<213> Glycine max

<400> 37586

gtaggcacct gctgtgcaag ttgtataagg aaaaacatag gtaagccaat gaaagacagt 60
ttacaatgaa ttctgtacaa tcaatgatga ctaagttctg gattgctacg tctgtt 116

<210> 37587

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945547H1

<400> 37587

agaaggggaa gctgctttgg ttgcgaaatt tcagaagtta catgaggacc tgactaatgg 60
tttccgcaac cttgaggacg aaaccgatg attgatgatt gaagatttgg tagtttgctc 120
aaatattgtg ttattttcaa ttgtaagacg cagtgttagc atcgagggt tgcaacgtcc 180
cgagtgttct catatttgac tgttcgattc attcatatca catttatttc ctttcttgg 240
gctggtttgg cttttgatct agtctcatgt gtagc 275

<210> 37588

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945549H1

<400> 37588

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ggaggacacc attttgagcc ttgtgagtga aagtccagaa agtaaagtgt tctctgcttc 120
tatttgaggg aaagaacaat gagaacagct tccacttgta aaagacaact cactgccttt 180
tgatcatgca agatgttaaa ggaattcata tgtgtgaggt gaaatgaaag tagatagggg 240
atgaaaatcg atcagaaaga ataataagagt tatag 275

<210> 37589

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945550H1

<400> 37589

gaagagagtc agtgcagaaa accctagaaa caaaacatgg cggaaaaatt agcccccga 60
 aagcgtcaca gcttcgttca caacggtcaa aaggtgttcg agtgggatca aacccttgac 120
 gaggtcaata ttacataac tcttctctct aacgttcatt ccaagcaatt ctactgtaag 180
 attcagtcca agcacctcga acttggcatc aaaggcaatc ctccgtatct caaccatgat 240
 cttactagcc cggatgaagac agattctcgt tttt 274

<210> 37590

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945551H1

<400> 37590

catctatcaa aacatgttga caaaacggca attatatattg atttttcttc aggttctact 60
 ggcccagtat ccaatggggtt gattcacatt agaaagagcc atggaatagt ggggtataatt 120
 ggggtggggcc taatcctgcc agtggggggca attattgcta gatacttcag gtataaggat 180
 cccctatggt tctatctcca ttcagtcatt caatttgtgg gattttcatt tgggcttggc 240
 acagtccttc ttggattaca actctatag 269

<210> 37591

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700945552H1

<400> 37591

cagaaagcta aaacagaaga agcaaagatg atattgcagt tcttcgtgct ttcacagaga 60
 ggcgataaca tcgtctaccg cgactatcgt ggtgaagctc aaaaaggaag cgctgagaca 120
 tttttccgaa 130

<210> 37592

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945521H1

<400> 37592

gcacatctgatt gggctaccaa tgggggcaaa tacaggggta actacaagta tgcaccctat 60
gttgctgaat tctctgacct tgttctgcac ggttgtgcag tggatccaat tgagcagcag 120
ttggccaagt gtgacaatgc tctctaaagt tctgaggcaa ctacaacaat tccttcttct 180
gggtgttacac cagcacaag aatcaaaatg gagaatttca ggaagaagca catgacatac 240
tcctactgct atgcaaagtc agatacaaag tccctc 276

<210> 37593

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700945554H1

<400> 37593

tggaaaacgt ggagcagata aaagaggaga tagagaagat ggtggcaagt tctagttcag 60
aaggaacagg agtaccctta ttgagagcat ctgataataa tggaagagat caaaacacaa 120
gatcccccc 129

<210> 37594

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700945555H1

<400> 37594

ctcactttca ttttaaaatg gggtatctat acttcttgag tttcctgttt gctttatgcc 60
tctcatctcc tcacaatggt ttgtacagct caaaatttac catacaaagt tgtgaatcta 120
ggaaactggc 130

<210> 37595

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945556H1

<400> 37595

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 ggtcctaaag catacttgtg atttcctcca ttatttcctt tgagatttgg acagtagttg 120
 gtcatacacc caattctaaa ttagagttgg gatgtctgga ggagtagttt gatacagtga 180
 tgcactctcca cagatacttg agtaaagcta tatgctgtgg tgtagatttt tactatggag 240
 ttaaatgcaa gttatgacgt cgagcattc 269

<210> 37596

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945558H1

<400> 37596

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 gagttacaga ctcaccgatc ttccgattct ctttcgtctt ggtttatgag ctcgaaggag 120
 agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180
 gaccctgcag cattctcgga tgcagtggtc cagatttatt tggataatgc tggtgatctg 240
 gaacttattg ctaagagtat tgaatcttc 269

<210> 37597

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700945487H1

<400> 37597

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 tttgcttgag aagttcaatt cagtttgatg aaaaaccact gtttcctttg catcctgcta 120
 ctgatgatca ccattcctca tcaaagcctg ctgttttggg taacaaaaga gggttctcag 180
 atgtcatgag tggattcgcc gaggagaaat tgcttggttag ttctgaggtc aacacaa 237

<210> 37598

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945488H1

<400> 37598

gatgccatca actttgactt gcctcatgtg gttgccactg ctctaagtt cgatgggatc 60
 acccatgttg gaggtgacat gttcgtgtcc attcctagtg ctgatgctat ttacatgaag 120
 tggattctgc atgactggag cgacgagcac tgcataaga tcttgaagaa ctgcgggaag 180
 gcattaccgg agagcacagg aaaagtcata atggtggatc gcgttcttcg acccgaaggc 240
 aacgatctc 249

<210> 37599

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700945489H1

<400> 37599

cattcactcc caatatgatg gaattggaag ccaccgcgc tacttcccca cttctcgcg 60
 ttctctcat ctccgcgggt gccagccaca ccgttgccct tctctctggg aatgttgtgt 120
 gttcgtgggg tcgcgagag gacggacagt taggcgatgg tgacaccgat gataggccct 180
 taccc 185

<210> 37600

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700945490H1

<400> 37600

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 aattgaagca cttgatctga gcataccaag gaagcttctc ttgtgggcct atgtgctatc 120
 ccatggacgt tgtgcaaata tctcaattgt tgtaaagcat tgtgaagaaa tgtcgaactc 180
 aagtatgaaa agagga 196

<210> 37601

<211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945491H1

<400> 37601

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 ccaacagaaa ggcttttggg ttatccttac atgtccaatg gcagtgttgc ttctaggctc 120
 aagggttaagc cagtgttggg ctggggcaca aggaagcaaa ttgccttagg agcagcaagg 180
 ggactactat accttcatga gcagtgtgat ccaaagatac tccatagata tgtgag 236

<210> 37602
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945492H1

<400> 37602

aaaacaaagt atagagtgaag agaatgggtg agaaaagcaa gattttgatc ataggaggca 60
 ccggctacat cggcaaacat atagtgggaag caagcgcaaa ggctggaaat cccacttttg 120
 ctttggtgag ggaatccaca ctctctgacc cctccaaggc acaactcatc cacaattttg 180
 aggctttggg cgtaattttg gtccgcgggg atctgtacga tcatgag 227

<210> 37603
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945493H1

<400> 37603

tcacgaatgc gataaacagt gttgaaggat ctgtgcgtga gttcttggtg aaacaaagga 60
 atcgtagatc cgtttggttg ttagtgtttt ttttttttgt cagagaagag aaccgatggg 120
 gttgtgggaa tcttttctca attggcttcg cagcctcttt ttcaaccagg aaatggaatt 180
 accccgatt ggactccaga atcctg 206

<210> 37604

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945495H1

<400> 37604

tgttggaagt tggcaatgga ggcattgactt accaggaata tcgtgctcac ttcagcatct 60
 gggcttttagc aaaggctcct ctattgattg gctgtgatgt aagagatttg actgctgaaa 120
 cacttgagat tttgagcgat aaagaagtcg ttgccatcaa tcaagactct cttggagtcc 180
 agggaaggaa agttcaagtt tctggagcag atggttgcag acaggtttgg gcaggtcctt 240
 tgtcaggaaa ccgattggct 260

<210> 37605
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945502H1

<400> 37605

ggcatgtcgc tctgttcttt catcttctcc tcacataacg aacttcatgg ccatcaagga 60
 ggggtgtctc tccttcgcac ccaaccctcc tctgttctt cgtctcccga aagccgttac 120
 ctttctctcc ttttctgctt ccactaaacc cccacttag tcttttcaag tgagatcagt 180
 tgctggtact acagaagctg catcgggggt tgatgagatg atttctggga ctaagaggaa 240
 gtattacatc tttggtggga aagggggagt atggaagaca agt 283

<210> 37606
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945504H1

<400> 37606

ctctcttata atctttgtta ttacctcttt ccaaagtcca aattttctag ttccacaaa 60
 ccaaacaaa ccaaatggc agcagcctca gcctcatcca tgatatcaac accagcctta 120
 tctccaacca tccaaaagca ccat 144

<210> 37607
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945505H1

<400> 37607

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 ggctagcctc aagggttgc ttttggtgc agtgctctgc atgggtgtgg tgagtgcacc 120
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctngatc aattgcatcg 180
 gttacctcca gaacggagga acgccgccgt cgggatgctg caacggagtg aagagcctca 240
 atgccgccgc caagaccacc gccgaccgcc agacggcgt 279

<210> 37608
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945506H1

<400> 37608

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 gggcttcatt aattgtgaca tttagctttt tttattgaac cgtgtcaatg gccgctacta 120
 tgaaggcttt agcttttggt gctttgcttg ttaccattaa tgcaatagtg tgtgaaagta 180
 gagtggcgag aaaggacctt ggattggacc ttggtggggg ggggaattggg gtgggtgctg 240
 gggttggact aggccttggt ggtgggggtg gtgc 274

<210> 37609
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945507H1

<400> 37609

gcaaaagtta agggatgaga ttgacagagt tcttgagca gggcaccaag tgactgagcc 60
 agacatccaa aagctcccat acctccaagc agtgggtcaag gaaactcttc gtcttagaat 120

ggcaatccct ctccttgtag cacacatgaa cctccacgac gcaaagcttg ggggctatga 180
 tatcccagct gagagcaaga tcttggtgaa tgcattggtg ctggccaaca accctgcaca 240
 ctggaagaag ccagaggagt tccggcctga gag 273

<210> 37610
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945509H1
 <400> 37610

gcagaaacga gttcccatcg aattaatgga acaaattgct caatttcaag attctattcc 60
 acaaattctga aattacttga tgcctttgat gatgagtatg ggggagttgt tgttcatccg 120
 gataggttac catccaaccc atataccttt gcatctgtgt tgcgtttgtc tctttctcag 180
 tggaaaaaga tgggaaagaa gggaatttgg ctttaagtgcc cttagaacaa tctgatcttg 240
 ttccaattgc tgtgaaggaa ggcttccaat accaccat 278

<210> 37611
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945510H1
 <400> 37611

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 tggcaaccgg gaagtgaaga aaccaggaga atatgagcct tctgagcaac cagatcctga 120
 ttcagattat cagagagccc aagaggcccg acgattcatg atttatgtcc ataccaagat 180
 gatgatagtt gatgacgaat acataatcgt tggatctgcc aatatcaacc aaagggtcaat 240
 ggatggtgct agggactctg agattgccat ggggtgc 276

<210> 37612
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945511H1

<400> 37612

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gccgagcaaa ccttcatcat gatcaagcca gatggcgctt aaagaggcct tattggcgag 120
attattagca gatttgagag gaagggtttt tacttgaaag ggttgaaact cgttactgtg 180
gaccgtcctt ttgctgagaa gcactatgct gatttgtctg caaagccttt ctttagtggt 240
ttggtggatt acattgtctc tggccctggt gttgccat 278

<210> 37613

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945512H1

<400> 37613

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ttcaaactcat caacttcctt agacttacac accctttggg ctgtaacaag caatctgac 120
ctcttggtat cattcagatt gatttctctt ctagcacctc gatcaaaggg ctaaaaaatt 180
tgctacttat tgcacttttc ttttcatggt ttgatacatc ttattgattt tagtgctatt 240
tcaaggggtg aatttgagac atgggtttga gttct 275

<210> 37614

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945513H1

<400> 37614

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atggctaagg aaaaggctca gatcaacatt gtgggtggtg gtcattgtga ccctgaggag 120
gcaaccacca ttaacgagct gaagaagcct gttgtggaga aagaagctcc agggcatgcc 180
atatgagggc atgcacgtac ggcctcggag gggaaccaga aaattatgtt aacaaaaataa 240
tctggaaccc taatgtatca gtgtcatcat cagtgt 276

<210> 37615
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945514H1

<400> 37615

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 gctgtgggaa aaagcaccca agcctttcaa tgtcatcctt cattactata acgaaaacat 120
 caccatggag aatctctgca gacttcatgg ctggggagtc cgggagtacc ctagacgtgt 180
 ttatgatgcc gtgttgttta gcaatgagtt ggaaatacta actttgctgt ggagagaatt 240
 gtacccttac ataactgaat ttgttgttct tgagtc 276

<210> 37616
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945515H1

<400> 37616

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 ttgaaagtgg tgggactagt ccaaagtcga ttagatgttt ggctgaacct agagttgtaa 120
 ggaggatcag aattgttgct gaacaaactc ccattcagca catacttcaa cccccaacaa 180
 tcgcctctct attggccatc atcattggca cagtgcctca gctgaaagct gtgttctttg 240
 gatatgatgc tccgttatct ttcattactg acagttt 277

<210> 37617
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945516H1

<400> 37617

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 ccacagtact tgttcttgtc ctaaacttat ctttcttctt cctcttctgt ctcttcttaa 120
 aggcttatta tctccaccct cctaactcaa attctcaatc taatggcccc ctcaaacct 180

00222E0"ETFE560

tcaaccatga aagattgttc agagatgtta gtgttgaagg ctgttgtgac ctccacaagt 240
actcagatta tgagtccaaa tgtttgtatg tgaagagcca t 281

<210> 37618
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700945517H1

<400> 37618

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aatggccact gtcgaggttg tgtcagccaa ggttgccctc ccagaggaca caaaagaggc 120
atcattgaag gttgacgagg agaagaac 148

<210> 37619
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700945518H1

<400> 37619

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caagttgctc agttccgaga agcagttaag aaggactatt atttccagat gtactatgat 120
gccttgccga tctggggatt tattgggacg gttgacaagg aagggacaac tgaccctagt 180
gagtacaagt atattcttta caagcacatt cagttcgata ttcattacaa caaagatcgc 240
gtcattgaaa tcagtgcccg gatggaccct cattctgt 278

<210> 37620
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 700945519H1

<400> 37620

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tcctgggcaa gactaaaagg tagtttgaat gctgtgaaag tatggttggc cttcaatttt 120

ccaagttcct aagatgagcc aaaa

144

<210> 37621

<211> 112

<212> DNA

<213> Glycine max

<223> Clone ID: 700945520H1

<400> 37621

agaagctcca gaacattgga gaaaactaca tccgattttc gcgaagcaac gcaacgacgg 60

cgatgggagc gtccacttcg gcggaccagc agtgtcggct gacagaaaga cg 112

<210> 37622

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700945486H1

<400> 37622

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tataaaaccc taaccctaaa ccatttcgaa tcggaatcgg aagaagataa tgtcggagggc 120

ggaggagcta ccccggtcta ttgtgcgccg cgtagtgaag gataagctgt cccgttgctc 180

cgaagacgga gaaatttccg tcagcaaaga cgctcttctc gcattctccg aaagcggtag 240

gatcttcac cactac 256

<210> 37623

<211> 174

<212> DNA

<213> Glycine max

<223> Clone ID: 700945458H1

<400> 37623

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aaacgggcta actatctcag tagtattggg aataatctag agacatgcac gaaaccaaag 120

gttggtcaag atgctgggtt agctttggca tcaatgttat gttccgggaa tgga 174

<210> 37624
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700945460H1

<400> 37624

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ccttttattt ggtaggtaat atcgatgaag ctactgcgaa agctacgaac ttagaaatgg 120
agagcaattt gaagaaatga ctttaaactt ttgtgtactg accccaatc gaattgtttg 180
ggattcggaa gtgaaggaaa tcattttatc tactaatagc ggacaaattg gagtattacg 240
aatcatgcg cctattg 257

<210> 37625
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700945461H1

<400> 37625

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actgaatctt gggcagatgg actcaaactt gccagggata tcaactatca gtttccacag 120
cttgctagtg tacatctctc tacactgatc ccatccagaa gtgatgatgc gatcagcctt 180
gtgacatcac tttgttcatg ggatccctgc aagagaccaa cagcagcaga ggctcttgaa 240
catcctttct tt 252

<210> 37626
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700945462H1

<400> 37626

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ctccgctatt ctaccaatcg ccccgccaat tcttcccttc tttgccgaac ctctctttcg 120
atctcgccac ggtgtcttct tcgaagctct cggttctctt ctctccttgc tccactccgg 180

agcacgagat gcttaccgcc agtttttctg cgattccatg tcgctcattc aagatattct 240
 atacgtgtct tcaactcagtg tt 262

<210> 37627
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945463H1

<400> 37627

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 aaccctttctc tctgtgatta agagaatggc ttcagatcgg aaacttcaca cttttgagga 120
 ggtggcaaag cacaaccaga ccaaggattg ctggctcatt gtttctggca aggtgtatga 180
 tgtcaccctt ttcgtggagg atcatcccg aggtgatgag gttttgttat ctgcaacagg 240
 gaaagatgca accaatgact ttga 264

<210> 37628
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945465H1

<400> 37628

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 accctagctc cgcacgcaa ccatgtcgac caagcaaggt ggaaaagcta agcctttgaa 120
 gaaacccaag tctgataaga aggattacga cgagattgat gtggctaaca ttcagaagaa 180
 aaaggaagag gagaaggcgc taaaggagtt gaaagccaag gcgcaacaga agggaagctt 240
 tggaggtccg gggcc 255

<210> 37629
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945466H1

<400> 37629

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 actgagtcct tctgttgagg gggaagggca aaataatggc cttgttatga acttctacaa 120
 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag 240
 ttgtgatgct tcgactgttg 260

<210> 37630
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945467H1

<400> 37630

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 ttgttggttaa cattggtgat cagcttgagg ttatcaccaa tggtaagtac aagagtgtgg 120
 agcaccgtgt gatagcacia acagatggga ccagaatgtc cattgcctca ttctataacc 180
 ctggcagtga tgctgtcatc taccctgtc cagaattgtt ggagagggag gcagaatgga 240
 aaaaccagct ctaccca 257

<210> 37631
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945468H1

<400> 37631

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 tgtctggctt aaagggttaa cgaagatgat tgaggatgtc atgatgcaag cgaggaaggg 120
 aatcgaagga tctctctctc tcatcacatg atcattcagc gagcaatagc atagtgtgaa 180
 atttgagtga gcgagcgagg aatcggaaga aaacgaaacc ctaagaagaa gatgccgaag 240
 aagatggggg tgaac 255

<210> 37632
 <211> 234

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945469H1

<400> 37632

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 tcaagacctc gagaacaatg atgaatgtag gaaaaatggg agcctgaaaa ggtaaataga 120
 ccagagtgat gtctgtggat ttagaagttg cttcaaaaat cattatgatt cgcttccgaa 180
 tcggaggtgc ttgaggagtc gagaagaagt gattggggat acgatggaaa tgga 234

<210> 37633
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945470H1

<400> 37633

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 tgttgcttta gttttgggtc tatgtctagc actcaacatg gttctgccga cacgtgcagc 120
 tgccacaca gtgggagaca cctcaggttg ggcactcggg gctgattaca gtacatgggc 180
 cagtggcttg aaattgaaag tcggagatag tcgtgttttc aattatgggg ctggtcacac 240
 agtggacgaa gtgaa 255

<210> 37634
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945471H1

<400> 37634

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 aacaaacgtg tgccttcgca ccacagctgc acgtgacata tacaggaaca tagtagtcca 120
 caatgtgaca cacatgtgct gtgcccccggt tgtgttcaac gtaatcttgg aggcaagaca 180
 aagtcaaagg attgacataa aggtaataag tgggaagaga aa 222

<210> 37635
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945472H1

<400> 37635

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 taaaggaatt gtttttattg ttgctctggg ggccatttgc cttgggtggga aatgggtgga 120
 agcgcaggtg catcatgttg tcggagcaga ccgtgggttg gatcaaact ccgacctcgt 180
 ttcttggctc gcaagcagag tcttcagggt tggagaccaa atttggctca cttactctgt 240
 ggctcaggga 250

<210> 37636
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945473H1

<400> 37636

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 gtgtgtgtga gagagaggga ttacggatta gtgagttttt tgtcactaag ttagagctac 180
 gtcgtttcat gattgt 196

<210> 37637
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945474H1

<400> 37637

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 ttgagaacca agctgacaaa ggcggtgatc cttagaagtt caaagagctt gctcaagcct 120
 atgaggttct gagtgaccct gagaagcgtg aaatttatga cacatatgga gaagatgctc 180
 ttaaggaagg aatgggtggg ggtggcgggt gccatgatcc atttgatata ttcagttctt 240

tcttttgttg

250

<210> 37638
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 700945475H1

<400> 37638

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tacttgcaat actcttgttt ttcttcata tgacggtgac catgctgcat gttggtgcag 120
tcatcgtgga gcatgagcca aaaacaaaga caaagcgcaa tctactgagc gaaacttctc 180
ttggacgaaa gggcatg 197

<210> 37639
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700945477H1

<400> 37639

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atgggagtat cgtctcttac ccatttttac ttactcaat attgcactgg tggcaacca 120
tgctgcttta cccctgaag ttactggaa gtcggtgctt cctactacgc caatgcaaaa 180
agccgtcact gatatccttt actctgattg ggtggaagag aaaagcagct cagtgcattg 240
tggaggtgga ggcg 254

<210> 37640
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700945478H1

<400> 37640

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tcatgaaacg atgtgcttgc ccactagcct cttacttct cctagcaata gtaatcgtag 120

ttttgatctt cacaatattt cgtgtcaagg gccccatgat cacaatgaac agcatcaaga 180
 tcacaaagct ccaactgggtc aacacgacca tgggtgtcttg gtggggggagg taaaggacaa 240
 ctgg 244

<210> 37641
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945479H1
 <400> 37641

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 gaattcagtc tgaattcgggt ctaatgggtt gggagttcaa attaagtcta aggaacagaa 120
 ttctgtacat atatatattt agaagatcca cagggtgctt gatcagtggt gtatcaggat 180
 ggacaagggtg acgaggttgg cttctgaaaa ggggtgtggtg attttcacaa agagctcttg 240
 ttgcctctgc tatgcagtca 260

<210> 37642
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945480H1
 <400> 37642

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 cttctcatga accttggtat ctgcagcgca gaatcttcca tcggcagaaa gtccaatcct 120
 aaccagaag agttcgtgaa gtcctcgtgc agggcaacac ggtaccctgt tctatgcgtc 180
 aagtctctgt tggcctacgc aagcgtgatt cgccgaagcg accgacaact agccacgacc 240
 gctctgtcgg taagcata 258

<210> 37643
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945481H1

<400> 37643
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 cgttctcgtc actggagctg cagggcaa at tgggtatgct cttgtcccta tgattgctag 120
 gggagtgatg ttgggtcctg accagcccgt gatgagccct ctgatggata atacgatga 180
 tgaacttcat tgcgaaggaa aaaccattga agacattgta caagttctga acaggactcc 240
 aatgcacccct cgcattgt 258

<210> 37644
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945482H1

<400> 37644
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 gactccagta actcattgtc tagtgaagac agcaacagca acgataaaga ggggtccatt 120
 gatgaggaaa ggtcgtcacc aattgcacat gcggttaagg ttgagcatga cactgacact 180
 ggaaacagct tgaaggaaaa tgaaaaccct aaagtgttga cagaagactc atgcatggac 240
 agcttggtt ctgagag 257

<210> 37645
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945483H1

<400> 37645
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 gcaagtgatg acgtcgaaac agacatacag cgtgtgcttc tgctggcggc ggcggttcaa 120
 gctggcgctg gcggaggcgc cgtcggaat caagacccta ttcaatgagt actccgagaa 180
 tgagctcatg acaccttcgc atcttaagag attcctggtc gatgtgcaga ggcaacagaa 240
 ggccactgaa gaagacg 257

<210> 37646
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945484H1

<400> 37646

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 tgatgttctc ttccattatt tgggtacaga tcctgctaata gataatttca cttttgtgga 120
 cgaaaactcc ttatgggtcac cttcaaaacc agtcaaccaa cgtgatgctg atctcatcca 180
 tttttgggat aagttccgca aagctcctga gggttctctc aggaaaaatg cagctcagaa 240
 acaagttttg gaag 254

<210> 37647
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945485H1

<400> 37647

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 tttctttgga ctcatccaat tccttgatc tgctctgac gttgaaagag atgctcaggc 180
 ttggattttc gaatctg 197

<210> 37648
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945457H1

<400> 37648

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 aacatggacg aggacttcga catgccgacg gcggaggcaa tgggagagga cttcgacttc 120
 gccggcgcca ccggcggcga cctcgacggc agcagcagca accccatctt gagggtcggc 180
 gagtataagg agattggaaa agggg 205

0933

<400>	37649
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<210>	37650
<211>	242
<212>	DNA
<213>	Glycine max

<400> 37650

<210>	37651
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<212>	DNA
<213>	Glycine max

<223> Clone ID: 700945430H1

15087

agattaacac tatccgtact ctcatca

147

<210> 37652
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945432H1

<400> 37652

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 cagagttttt caaaaaggag cctaggcgga caatgaatgc tagtgagtgt gttgctaggg 120
 gctgtgctgtt ggaatgcgca attcttagtc caacgttcag agtacgagaa ttccaggtca 180
 acgaaagcgt tcctttctcg atttctcttt catggaaagg ttctggtcga gatgcacagg 240
 acaatggatc agaaaatcag cagagtt 267

<210> 37653
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945433H1

<400> 37653

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 agtgaaacc aaaattacga ccgaaagaga agagcggttt agaagtga aaagatggg 120
 ttgtcgtcca cgaagctgtt cagcgggttt ttccgaaaa aggaatggg gatcctgatg 180
 gtaggccccg atcctgctgg aaggacaacc atctttaaaa accccaacct tggaaaaatc 240
 gtcacgatta tccccacaat gggtttt 267

<210> 37654
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945434H1

<400> 37654

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acctttgtat tctttttag ctgcttccaa agggttaata accagctgca aatcaattat 120
tggtgactat attattg 137

<210> 37655
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945435H1

<400> 37655

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caacacattc aaatctacca ccaatcaaca acaacaaaaa caacaatatc aacaacttca 120
agctcatcaa caacaacaac aacaacaaca cactcagctt cctctaaacc taccattctt 180
cttctacca acaataccat caacctttnt tntatctnat nctcttnaac cctattttcc 240
catcatata 249

<210> 37656
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700945436H1

<400> 37656

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tcaagaaggc ccatgaaagg gcatggaagg gagatgattc agttgggtgt tcgaattgct 120
gatgccccag cagaagggga aaatatgaca ggagcctcca aagatatgaa tgtagaatct 180
gttccttcct tgtttcaaga tattattgag cgtatggttt cctcgcaagt gatgactgtg 240
aagcctgatt gctgcgttgt ggat 264

<210> 37657
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700945437H1

<400> 37657

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 caagaagaag aagaagaaga tgccttcttc agaatcatca acaggcttct cggaaaccat 120
 ttgtgtgacc ggcgctggtg gcttcacgc ctcttgatg gtcaaactcc tcttgagaa 180
 aggctacact gtccgaggaa ccctcagaaa cccagatgat cccaagaacg ggcacttagg 240
 agattttgag g 251

<210> 37658
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945438H1

<400> 37658

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 gtttggcctg gaatgctttg cgtggtattg tgggtggtgag attggttgaa ggggatttac 180
 tttcacgggt tactatgtct aataataacc acttggaag tgtagatttt atcggggcca 240
 tatactccta aagccaactg ct 262

<210> 37659
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945439H1

<400> 37659

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 ggatcaagaa agggactgtg ataagtggcg ccaaaggacc tgctgaaaac tcagaatttg 120
 agcactcttc aattcctgca accataaaga agatgttcaa cctttctgct aactttttga 180
 ctcacagaga tgcattgggt gggacctttg agcatgttgt gggggattta ggttcacca 240
 gaacaga 247

<210> 37660
 <211> 236

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945440H1

<400> 37660

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 ttatgccatt ggtgtgctg agcctttgtc tgtgtttgtt gacacctatg gcactgggaa 120
 gatccatgat aaggagattc tcaacattgt gaaggaaaac tttgatttca ggcttggtat 180
 gatctccatc aaccttgatc tcaagagggg tggaaataac gggtttttga agactg 236

<210> 37661
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945441H1

<400> 37661

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 gctgagagat gggccgtgat gtcaaatgag ggttctcaag gacaaaggca tgtgcgtaga 120
 agctctaccg tgggtgagat gcttgctctt tcgggtgtag ggagatctgt aatatctgag 180
 cttgggggta ttcatgaaga acgggagcca 210.

<210> 37662
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945442H1

<400> 37662

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 ctcaagtaga attctcatca tcacttcact ctgcctctga gatcattagg aaaaagaaaa 120
 ttactgggcg gcaaaagaga gaggaacttg aaaaggaggt cgctatgctt caaaagtgtg 180
 tggaccaaga agaaaagttt catgagattt tggagat 217

<210> 37663
 <211> 243

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700945443H1
 <400> 37663

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 ttcaaggagg gccttggaaa ctgagatgcc cgttatgggt cagatgcagg aattgctccg 120
 aggagctaag aatgccgtgt ctttggccca gggggtgggt tattggcagc ctccaagca 180
 agctttggaa aaagtgaaag atcttgtatc tgagccttta atggatcgtg atggtagcga 240
 tga 243

<210> 37664
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945445H1
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 attaagtact tgtgtcattt tctctcgaag caagaaaaat gttcatcgag agtttcaagg 120
 ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaga 180
 ccactgaact tggtcacgag agcgataatg gcacttatca gtgggttt 228

<210> 37665
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945447H1
 <400> 37665

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 gtcattgcac caggagggtt ctatgatgca aactgggttca acaaatttat aagcaaatca 120
 ggaaaatcta ttgatgtgg cactcaccac atttataacc ttggaccagg agttgatgaa 180
 caccttgtgg aaagaattct ggacccttcc tatcttgata aagagggttag cacattcagt 240
 ggcctaaaaa atatacttgc aggtta 265

<210> 37666
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945448H1

<400> 37666

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 aagtcggcgc ggcgagttcc ctggccccga agatcgggtcc cctcgggtctc tcccccaaga 180
 agatcggaga agacatcgcc aaagaaaccg ccaaggactg gaacggcctc cgcgtcaccg 240
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<210> 37667
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945449H1

<400> 37667

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 cagaaaagtt ctatcagctt cttcctaaca tgctttggaa ccctctgatg gataagatga 180
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 aattccggat cctgaccc 259

<210> 37668
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945450H1

<400> 37668

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atgttgtttc ttgacttttg agtttatctc caagacttca aataagttgg ctctctccta 180
 caatttctta aatgcttatg ttcgatattg agaatcaaac aagacttggt ctgaggcaca 240
 acacgttttt gaattttg 258

<210> 37669
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945451H1
 <400> 37669

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 aagaaaagaa tatcgttcgt tcgctcttac cttcttcacc ttccttcctc tctctctctg 120
 tactatgtaa ccgtgatccg gaacttcgac ttctcggaat ccttctcagt tgtcttggtg 180
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 gagcattctc ctctct 256

<210> 37670
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945452H1
 <400> 37670

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 gaagctcaga ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg 180
 gcactctgct ggaacctttg acaagggcac gaagaccggt ggacccttcg gaaccatcaa 240
 gca 243

<210> 37671
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945453H1

<400> 37671

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aagatgacag caaagtggta tctcattgtg tgtgtttag cgatctgggc cgttgatctg 120
ggttcatcat cacaccatgc cegtgcceca gcaccagcac cgtcagtga gtgttcaaac 180
ctgggtattga ctttatcgga ttgcctcacc ttcgtttagca acggcagcac cgtcaccaag 240
ccacagggaa catgctgctc 260

<210> 37672

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945455H1

<400> 37672

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tccgatacta accccgcgat gctccgcgc gcaaccacct ccctcatctc cggcgcctcc 120
cgccgcgcgc tctccaccga cgtgcgcggc acgccgcggc ggattccgtc ttcgcggagg 180
cgtggaacaa agtgagcccc aacatcgacc cgccgaagac gccgctggcg tacatgaacc 240
cccgaccacc cactcctt 258

<210> 37673

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700945456H1

<400> 37673

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attatgagcc accagtacta gcttgtgctc ttaatgaggt tcttaataaa attactgaag 180
ataaatcttc cttgatacct acacttttgg taccattttt ggtggaatcg tccaagggtta 240
aagggcacag taaatcccta 260

<210> 37674
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945427H1

<400> 37674

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 aacaagtacg ctttcgcatg tgctatcttg gcttcaatga cttccatcct actagggttac 120
 gatattggag tgatgagtgg tgcagcactg tacatacaaa gatatctcaa ggtatcggaa 180
 ctgcaaactg aaatcctgaa cggatcata aacctctact ctcccgtggg ttctttcatc 240
 gccggcagaa cctccgactg gata 264

<210> 37675
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945401H1

<400> 37675

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 atagaatgga aacatgtgca gcaacttagt tatactcaac gaaggaggat atgtggagat 120
 aagtagataa atgttattat aagctctgtc atttgtcaga acttcagatc gtggatgtgg 180
 gatagagttg ggtgggtggg tgggtgtggtg ttgggaagta gggaaggggtg agtcgtggag 240
 tgggtggggg gggggg 255

<210> 37676
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945402H1

<400> 37676

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 cgacgccggc tccgaactcg tgcgcaggat agcgaagatg gcgccaggga ttggaggctt 120
 cggtggttta ttccctctcg gtgactcgta cctcgttgct ggtaccgatg gcgtgggaac 180

gaaggtgatg cttgccttcg aaactggaat ccacgatact attgggattg acctggttgc 240
 gatgagtgtg aatgacattg ttacttcggg ggcgaagctt tg 282

<210> 37677
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945405H1

<400> 37677

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 ttcagtcacat gatgtacaac aacatgtacc gcataatgtt cgaccggagg ttcgagaccg 180
 aggaggatcc catcttccgg aggctaagac ccttgaacgc agagaggtct cgcttggcgc 240
 agagctttga gtataactat ggt 263

<210> 37678
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945406H1

<400> 37678

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 ctacgaagag gaagaagaaa aagctcccgga ttctgctaaa cccgttgctg aatctggcaa 180
 gaagggttat gttggcatcg atagttcggg atttcgagac ttctgttga aaccagagct 240
 tcttcgagcc attggggatt caggatttg 269

<210> 37679
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945407H1

<400> 37679

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 aataatccaa gtaagttcct atttgatcta tgcatagtat gtgttcatat ctcaaaccctt 120
 ttttattctc tagtgtgaag catagaaact gaataattat gagagagatt atttaagtta 180
 tgagtttagg actctcagca ccacgctata catgcattgc atgaaacttt gatgttgtag 240
 gtcattcttc aaaatatcat ttgatcttg 269

<210> 37680
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945408H1

<400> 37680

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 cgaacccac cgttgtccag cacattctgg ggaccggctt ccctgtgtac cccaagggcc 120
 tgactctgaa tcggggccctt ggagacttcc tcggccaggg tatcttcaac tcagatggcg 180
 ctggatggaa agttcagcgc caaatttcca gccacgagtt caacactcgc gctctcggca 240
 agttcgtcga gaccgtggtc g 261

<210> 37681
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945409H1

<400> 37681

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 ctggtcttct tgccatcatc atcatggctt tgttgacaga gaagtcgatt gagcttttga 180
 ttcggtttac ccgggcaggg aagtctgttt cttatgctgg tctcatgggg gattcctttg 240
 ggaattat 248

<210> 37682
 <211> 212

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700945410H1

 <400> 37682

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 cacaggaaaa ttcatacatc caacgctttc aaaccttgca agtgccctct ttcttggact 120
 tttcctgtcc gttatagtca ctagtgtgct cgagctgcgg tggagtgggtg tgacgattga 180
 ggctttgtgg cgtaatgaac aattctgggt ta 212

<210> 37683
 <211> 194
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945411H1

 <400> 37683

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 aatcatggaa accctgaatc caatagatgt tgctaaatac atgaattttg ttggtgcccc 120
 ccaagctggg gctatagcta catttttcggg cacaactcgc gacacctttg agggaaaaaac 180
 aatcgtggat ttga 194

<210> 37684
 <211> 220
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945412H1

 <400> 37684

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 tatttatcaa tgaagataac aacaactgaa gttattttcta gccgttggag ctcacagtaa 120
 attgctttta acgtgttcca tcaaaaagtt ggtacaaatc cctgtaatct tcatttttgg 180
 taaaaatcct agtaatcttc tgatggatca aacggggggtc 220

<210> 37685
 <211> 206

<212> DNA
<213> Glycine max

<223> Clone ID: 700945413H1

<400> 37685

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acaacccaca cttccacac ttccacact tcccaccca cctatctcaa actcaatcct 120
atttcagac cttccctct acgcgcttc gtcccccctca catcacgcgc cccactcgc 180
cgctgcccct caacccccgc atgcct 206

<210> 37686
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700945414H1

<400> 37686

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aggttctccg cgcttccgat gacgccgatg atgatgcgat cttctatgat tcgttcgacg 180
aggattttga agaccgttgg gttgtgtctc agaaagatga gtacagtggg gtctggaaac 240
atgccaagag tgagggacat gatgattat 269

<210> 37687
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700945415H1

<400> 37687

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ttgccaattc tctttactgg taaccagatc ctccaaaaat gatgaatcac gattccaaca 180
acgaacaaca tgagattctc catgtctcgc aggacgacga gataatggaa tcgctaattc 240
tcgatgacga cggctcttcc gtt 263

<210> 37688
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945416H1

<400> 37688

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 catgattgta tacatccaat attgagccct gtagtttatt accatgataa cttctgtctt 180
 attgtggcct tctttattgc tctaattgta gtactgaact gaggtattac gtgatgtaag 240
 ctgcaacaag ttacttggtt gtagct 266

<210> 37689
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945417H1

<400> 37689

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 gacagtttcg tccgagactg tgaagcattt ttacaagaag tggtagcatt tatgcaatat 180
 ggcggttata gcagttggag atttttctga tgcacaggat gtagttgagt tgataaagac 240
 tcattttggc cagaaaattc ccgacctga tctccactt a 281

<210> 37690
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945418H1

<400> 37690

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cgtcgcgccc accaccaa at tctctcatc caaacaaggc acaattggca tgtccctaac 180
 cccaccccc tacgacctcc agtccttcaa attccagccc atcaaagact ggatcgtgtc 240
 acgggaaatg a 251

<210> 37691
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945419H1

<400> 37691

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 agactccaga aaactgattg tgggtggagta tactgcgtcc tagtgtcgtc gatgccgttt 180
 tatcgcccca gttctcgac agactgcaga ggaaactcgt gaattgatcc tcctcaaagt 240
 ggatgtgcga gaagtga 257

<210> 37692
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945420H1

<400> 37692

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 tgtgggcaat gaaaataaga ttgccctaag atttgacaaa gtattttggc ctaatgtaga 180
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 ccgaacaaga tgggggtgaa c 261

<210> 37693
 <211> 255
 <212> DNA
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<223> Clone ID: 700945421H1

<400> 37693

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 atgtggttgt cattaagtac gtgccttatg taggggacag caagagggcc atggatgagt 180
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<210> 37694

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945422H1

<400> 37694

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 tcaatcaatt gaagcgtttc atcgaacagt gcgagtccaa cccttccttc gtctcggatc 180
 cttcactctc cttcttcgcg gactatctcg aaagtctcgg ggcgaaactc cctgaatctg 240
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<210> 37695

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945423H1

<400> 37695

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 atcatggaac acctgatggc aactctggtg aaagttctca agacaagcga gaggaatcat 240
 taggtcgctg gtatatg 257

<210> 37696
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945424H1

<400> 37696

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 acccttctgg ccaactgctat tggaggcaaa gttggtgctg ctgctgttac tgtagtcct 180
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<210> 37697
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945425H1

<400> 37697

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 aaaaaagctg gaaagaagaa attcctacgg aaaaaactgg agattttgat atgatatatg 180
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<210> 37698
 <211> 183
 <212> DNA
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<223> Clone ID: 700945426H1

<400> 37698

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 gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctg 180
 att 183

<210> 37699
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945396H1

<400> 37699

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 aaggtgtgaa gtatggtgct ggaattggcc ctggtgtcta tgacatccac tccccagaa 120
 taccaccaac tgaagaaatt gctgacagaa tcaacaagat gctggcagtg ctcgagaaga 180
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<210> 37700
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945363H1

<400> 37700

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 aaagacgaga gattagttca gcaccagccg acccaacacc ccacttcgga ggaattgagc 120
 attgggaaga tcaagtttaa ggcttttgat ttggggggcc atcaagttgc ccgcagagtc 180
 tggaaagact attacgcaaa ggtggatgca gtacgtttac ctggttgatg ccttgacaaa 240
 gagacggttt cagaatcaaa gaag 264

<210> 37701
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945364H1

<400> 37701

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gtgtctgcgg aggacaaaac cactggacag aagaacaaga ttacaattac caacgacaag 240
ggcaggcttt cta 253

<210> 37702
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: 700945365H1

<400> 37702

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gtaacaatat gggtgttgac gctttgaatg aggatttgag aatcaacgga gcagttgaac 180
cgttgcctga ggactttgat gcaacagctg taatcataga tcccgtgcct ttggcagttg 240
tagacaatgg cattgtcaag gaggaggcgc agatcattaa aggaaaagag aaaagagaat 300

<210> 37703
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700945366H1

<400> 37703

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tccaagagca atgttgttga cgatatggc aacagcaacg ccctcctcta tgagcccggt 180
gaacatccag accatgtggt tgtcattaag tacgtgccta atgtagggga caacaagagg 240
gcca 244

<210> 37704
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 700945367H1

<400> 37704

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gatttggagt ctctgcgata cgaaaatcga cgtctcagga acttactcga ccagaatctg 120
aaattgctgc aaaacctctc tgaggcgact tgcttcgata attgccctcc cgatttgatt 180
gaccggttaag 190

<210> 37705
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 700945368H1
<400> 37705

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caaatggcca tatccttcgg aatcagagaa ggtggcattg gctgaatcaa ctggtttgga 120
ccaaaagcaa ataaataact ggttcataaa ccagaggaag aggcatgga aaccatctga 180
agacatgcaa tttatggtga tggatggcct gcatccgcag agtgcaactc tctatatgga 240
tggtcactac atggcag 257

<210> 37706
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 700945369H1
<400> 37706

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agatgcagaa acacacagaa gttttgatga atcaacctgg ggtgcatttg acaacaacga 180
tgatgtggac tcagtgtggg gttttaacac caagaccaag gactctgact tcgagcagag 240
agatttcttt aaatctg 257

<210> 37707
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945370H1

<400> 37707

gctgaatctc tgaaagatta cgaggaggat tttgaaaatc ctgaaaagaa gcccagaagg 60
 aacaagtacg ctttcgcatg tgctatcttg gcttcaatga cttccatcct actagggttaa 120
 tatattggag tgatgagtgg tgctgcactg tacatacaaa gatatctcaa ggtatcggac 180
 gtgcaaactg aaatcctgaa cggatatcata aacttctact ctcccgtcgg ttctttcatc 240
 gccggcagaa cctccgac 258

<210> 37708

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945372H1

<400> 37708

caggtaacag caccaatttc ccaccagcgc caccaccatc atcatcttca ccgccatgtt 60
 cctcttcttc ttctggcacc accaccctga gccgctacga gaaccaaag cgccgcgact 120
 ggaacacgtt cgggcagtac ctccgcaacc acaggccccc actctcgctt gcacgggtgca 180
 gcggcgcgca cgtgctggag ttcttgcggt acctggacca gttcgggaaa accaagggtc 240
 acacgcagct ttgtccat 258

<210> 37709

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700945373H1

<400> 37709

ctcgagccgt ttgcagtaat ggggtgctctg gatcacatat cggaactctt tgactgctcc 60
 agtggcagtt ccaagcacia gaagcgcaac aattgcagac ggtggaggtg aaagtgaaga 120
 tggactgcga aggatgcgag aggaaagtga ggaaggcggg ggaggggatg aaaggcgtga 180
 accaggtgga tgtggagcgt aaggccaaca aagtcactgt ggtcggctac gtcgaggcct 240
 ctaagtggt cgcc 254

<210> 37710
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700945374H1

<400> 37710

attaatcctt gatgagattg gatgtttaga tcaactgcaa catcaattat atgctcattt 60
gcctgaggtg gctggaaatc ttagcaattg tttgatttca aaacgggatg tttgtgaaga 120
tggatgagct ttgagcatct ttggaatagt ttactgcttt ctggtcacat aagcacctgt 180
acttagtgta tacttagtat attatcct 208

<210> 37711
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700945375H1

<400> 37711

ggaaggttgg tggtctcact gcggtcatca agcatatgtc cctgatatt gccaaaattc 60
gcaagcttgt gaggcagtct aagtgtcttc aagacaaaat gactgcaaag gaaagtgcaa 120
cctggcttgc catcatcaac caagaggaag ccttggttag agagctttac cctgactatt 180
gccctccatt ttctctgtgt ggaggtaatg gatccttggg gatcaatgat tgcagcgagt 240
atgatgttga tggg 254

<210> 37712
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945378H1

<400> 37712

tgatgattct gttacaagca gcttgaagaa tgaggcacat acacagtttg ctcatattt 60
tctgcggttt ggaatgcttt ggcaagagaa aatactactg caatttatga aactggatca 120
ctggaaggta catgggtaag tcacaccacg ccccatgaca gaaaagccag gaaagatttg 180

agaaagcatg agatttcagc taacgaggcc attagagaag cattatctgt gtatgagtcg 240
ctcgggtgaac tgcgca 256

<210> 37713
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945379H1

<400> 37713

gtccaagaag atgttggagg agacactcag gtggagatca acctataagc cagaggaaat 60
tcgctggcat gaggttgcaa tggaaggaga gactgggaaa ttgtatagag caagttttca 120
tgatagacaa ggaaggactg ttcttatttt gagacctgga atgcagaaca ctacttcaat 180
ggagaatcag ttgcggcatc ttgtgtatct tttggaaaat gccatgctta atcttcaccg 240
ggncagaac aa 252

<210> 37714
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700945380H1

<400> 37714

ctcagtctct gcacacacct cagaagaaca gaacagaacc accagtgcct ttcaaagacg 60
gtttcagcaa tggcgttctt aaataaaatt ggaaatctgg tcaagaattc tgctgtcaag 120
cacatcaatc aagatttttc agtgtctacc ccatacttt tccaagcaat tagatccatg 180
tcacttgcaa agctttttgt cggaggtatt tcttacagca ctgatgatat gagtttcggg 240
agtcttt 247

<210> 37715
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700945382H1

<400> 37715
ctggaaactc ggttgaactc ggtgtgtgta gaaatggcga aacttgaagc caagctaggg 60
atgatcttgg actcgggtggg tcagttcttc tccggcaagg accatcttcc ttattgtgac 120
tctgacgtcg tagctggatg tgaaagagag gtcttggagg cagaaaaaca atcatctcaa 180
gagtatatgc aagactggct cctgcgttta tcatg 215

<210> 37716
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 700945383H1

<400> 37716
ccactttccg gcgaaacatg gccgtcgccg tcgccggccg ccagaagccg agctccgacg 60
cgagcctctt cacgctctgc cccttctgga gctcgcgcaa cgctactcaa aggtccacca 120
aaacgggtgtc gtccgtcgcc aggtcgctgc tccgtccgcg ccggaaactc cgctcgcgac 180
cttccagtta cctctat 197

<210> 37717
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945385H1

<400> 37717
caaagacaca gagtgcgttc gttgacgaca aacacacaca aacacacaac aaaagctcgc 60
cggaaaatct ttctccggcg acctggaatt ccgacgaagg tagttgcggc tccttcgtcc 120
cgaaactgag gccctcaaag tataaacttt ggtggtggtg ggtaggatct ggcggtgtat 180
gatgggatct tgcatacgcc cgttggagac tccggcgagg ttgctttgga ccacaagctt 240
cttccgtcat aagctt 256

<210> 37718
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700945386H1

<400> 37718

aaaaaaatca ttttccttta aacttcaa at tagagttct ctctctgatt catccccagc 60
aatggcttgt gcattgcaag caaccttagc agccaacgcc tatgtctttt cttccaggag 120
attctccttg aagctccaaa agaacagtaa gagaaggttt tctttgttca ctgtagaggt 180
tgattctgat gaatctgatt gcaatgagga agaatgtgcc ccgataagg aagtagggaa 240

<210> 37719

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700945388H1

<400> 37719

ctcatcttct ttttcttccc tttaaatta ttattccgtt gaaacacaac aacaacttca 60
tcaccaacac gaagaacaag attagcgtaa tgggtctctt ctttcttagg aatttggtt 120
gcaaattcat ataccctttt cttttttcca ataaggtttc aaaggatttg ttccccaagc 180
agttggagaa catgatgtct ctggtctctc ctctactgg caggcatttg cagcgctatg 240
acaaaggctg tcgcca 256

<210> 37720

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945389H1

<400> 37720

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cttcccgaag aagaactctc ttgaaggta tcattctcgg tgacagtggg gtggggaaga 120
catctttgat gaaccaatat gtgaataaga agtttagtaa tcagtacaag gcaaccattg 180
gagcggattt tttaaccaa gaagtgaat tcgaagatag gcttttcacc ttacagattt 240
gggatacagc tggccaagaa agattcc 267

<210> 37721

tcgaccactg gaagatcgag aagttcgacc cttcatggaa cg

222

<210> 37724
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700945361H1

<400> 37724

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tgtagatgag cttgttgcta acaagtctat tactcagcat gttgaagtat tgccaccaat 120
ggagaaacaa agacggctgg aacatatttt gcggtcacag gatcaaggat caaagataat 180
tattttgtgt tctaccaaga aaatgtgtga tcaacttgct cgtaatctga cacgtcattt 240
cggagctgct gctattcatg 260

<210> 37725
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700945395H1

<400> 37725

aagaccaca atggctcttt caaactccga agcatctttc acttcactct ctcttctttc 60
agctaccctt tgcaacacaa aaggtaggaa gtagatattg actgcttctt ggggttcacat 120
acaatgaaat caggtttaaa aaatggttgg ccctctgttg tgcgtcttcg tctccgagac 180
aaatcagtga cacccttttg catattctct aaagtgaat ctgctggcaa c 231

<210> 37726
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700945330H1

<400> 37726

gagaacgagt tcattgagta atactccgtt ccctgggtcc tccatcgga aattacggtt 60
cgctcacttg tcttcaattt cccagattca cctagacca tccataaatc cccctattaa 120

cttgtctttc ggaccgattt ttctacgtga cgcacgcaa ttcttcaccg gtttcgttta 180
gggaaccgcg gaaaccgaat cagatagtgc ggcacgga 218

<210> 37727
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700945331H1

<400> 37727

agcttctcgc cggcgagagc ggcacacccc ccatcgaccg cttcgacgcc tccaagtttc 60
ccacgcgctt cggcggccag atccgcggct tctccgccga gggctacatc gacggcaaga 120
acgaccgccg cctcgacgac tgccctccgct actgcattgt cgccggcaaa aaggccctcg 180
aaaacgccga gcctgccccca gacaaccatc tccaagatgt ataggagc 228

<210> 37728
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700945332H1

<400> 37728

ttcggctcgt tctcgagccg aatcggctcg agaacgggtg cgtaatgcgt gggaatctgc 60
cgaacagttc ggagctgttc aaaatgagag gggcaaaaag aaggacttgt ctctcaaga 120
tgctgcattg ttgatccaga tcagcttttag agcttacttg atccgtaggt caaaggctct 180
tcgtgccctt agagaactgg ccattgcaaa atctaaatta aaggaaatca gagcccagtt 240
caataacttt tcctaccgac gtcattgtagc ttgtaatg 278

<210> 37729
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700945333H1

<400> 37729

gtgtgataga agattcacat cactgcatac ttgtgtttta attacttaa tcaagcaata 60

tggtcgggtg tcattgtcgg ggtccatatt gcgttgaaaa tgtttggtc cttggaagaa 120
 tctggttctt tgtaaagta gagatgaagg gaaagctaga aatttatgtt gaaggtacag 180
 tatttgtagc tggaaatgct ttacatataa catgtctatt tgcttaggct cttcaaaaaa 240
 aaaaaaagaa aaaaaaaaaa agggggggccc cc 272

<210> 37730
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945334H1

<400> 37730

ctataatttt ttttctccat tagattacca agctctgcaa ctttgcttct caacatggag 60
 tatcgtctcc taccattttt tactttactc aatattgcac tgggtggcaac ccatgctgct 120
 ttacccccctg aagtttactg gaagtcggtg ctctctacta cgccaatgcc aaaagccatc 180
 actgatatcc ttactctga ttgggtggaa gagaaaagca gctcagtga tggtggaggt 240
 ggaggcgtga acgtgcatac aggaa 265

<210> 37731
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945336H1

<400> 37731

gcgaaacagt aatattaggc aggaaatttt gattgttaac actcacctga tatttcccca 60
 tgattcaact ctatcccttg ttacaagat acttcaatac gtagaatctt atcagaatga 120
 tttccaactc aagccaatgc caatcgtagt ttgcggtgac tggaatggaa gcaaactggg 180
 acacgtctac aaagtcttga ggtctcaggg cttggaacat ctaatgatac tgcacatcat 240
 tacactgatg cagatgctca c 261

<210> 37732
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945337H1

<400> 37732

gcaccgcctc cactaatggc tatgagatcg tgggtgagtc gaggatccgt gactcgtttg 60
atggactcag caaatcgagg ggctttcagt cgcttcttca gcgacaaggg tcgcgttctc 120
agcgaggagg aacaggccaa agaaaacgtc tacatccagg tagaaatggg agagggagag 180
gttgagaaaa cagaagcaac aggctgagaa gaccaaggca gacaagggca aagatgctgc 240
tgctgataag aaacctgaag gttc 264

<210> 37733

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945338H1

<400> 37733

atcatttctc catttccatt ttctctctca cttttcaaga atcgtaagct atgggaaagt 60
cttaccacaac tgtgagtgtc gattaccaga aggccgttga gaaggcgaag aagaagctca 120
gaggcttcat cgctgagaag agatgcgtc ctctaagtct ccgtttggca tggcactctg 180
ctggaacctt tgacaagggc acgaagaccg gtggaccctt cggaaccatc aagcaccctg 240
ccgaactggc tcacagcgct aac 263

<210> 37734

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945339H1

<400> 37734

gcttctctct cgagcgtgat cgtgatccgt tcccttcaa ttttaccaaa atattagaga 60
ataaacaaaa tatactatctt catttccgtc ccctttcatt ctaatacatt ccaatgtttc 120
ccagtgccgg cgttcccaag aagcggcaac gcaccaccgc cgccaaccgt tctcctcca 180
cagatggcac catctcctcc ctctccgacg taaccctaata cgagatctcccaaaaccctc 240
gaccttctc tcccatgacc gac 263

<210> 37735
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945340H1

<400> 37735

ttctcgagcc gattcggctc gagcaaactc attcttgccct ttcttttacg ttcatacttt 60
 tattacttat tgctacttac ttttactttc tatccaatca tccatggccg aggaacccca 120
 aaaaccagcc tccgctgaag aagtgggtgcc tgttctcgcg gacacgccac caactaccca 180
 atctgaagct gaagctgaag ttgaagcaaa tgcagaaagc atcgaagaag tgggtggcgga 240
 agcagagaag gccagagtgt gtgtaga 267

<210> 37736
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945342H1

<400> 37736

gcagcatctt cttctttgtc tctgctttcg ttagcgagtgt tgaaaactag gagcaaagtc 60
 gcacagaact gtcacgtgac tcaacaaaga caacgttgta atcatgtttg tgttaagaat 120
 gcaagaagaa caaggggtgac tgctgtgcct gtgaatgttg atgatgtaac cacagtactt 180
 gaccctgctc cagtgggaagt cacatggcaa attgtgggtg gagctatagc ctgggggttac 240
 cccttttgtg gtggcaggga t 261

<210> 37737
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945343H1

<400> 37737

ggtttacaga gaagcgaaga ggcgcaccgt tagcagtaac tcgtggaatt gctagcaatg 60
 gcgaggatca aggtttacga gctgaggcag aagacgaagg ctgatctgtt gaatcagctg 120

aaggacctca aggccgagct tgccttgctt cgtgttgcta aggtcacccg cggtgcacct 180
 aacaagctct ctaagatcaa ggtggtgagg ttgaacattg cccaggtttt gacggtgatt 240
 tctcagaagc agaaggccgc gt 262

<210> 37738
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945344H1
 <400> 37738

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 cttggtcttg gtcttggaact tgtagcttc catgatcaat cagagaattg catgaagagt 120
 actaatgata ccttgagaga tatccataag ataaaagagg tggagaatcc atcaaaatgt 180
 ggcagcacat gcccttgctt gtcattagga ccaccagatg atgatgatga tgatgatgat 240
 gaagtgaata atcaaccacc a 261

<210> 37739
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945345H1
 <400> 37739

tgcacagaag agtgtgagat taatgggtat gtgatcccag agggagcatt ggttcttttc 60
 aatgtttggc aagtaggaag ggaccccaaa tactgggaca gaccatcaga attccgtccc 120
 gagaggttct tagaaactgg tgctgaaggg gaagcagggc ctcttgatct taggggccag 180
 catttccaac tcctcccatt tgggtctggg aggagaatgt gccctggtgt caatttggct 240
 acttcaggaa tggcaaca 258

<210> 37740
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945346H1

<400> 37740

cctacacgta tcagagagag aatatttttg ttcgtgcagg tgcagaagat ggctcggagc 60
 tccacaagaa tgaaatgggt ctctatcttc acacttctat tcctctccca ctgccccctc 120
 acaatctccg cagaagatgg gctagtggcg aatggagatt ttgaggctac cccaagaaac 180
 ggcgttccaa acgaggcgat tgtggagggc cccagcga 218

<210> 37741

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945347H1

<400> 37741

tctcgagccg ctcgagcggc tcgaggtaga attagggttt atatcgcgca tagtgttgta 60
 cacgagcaga gttgtatacg tcgcgcntag gtacaacatg atcattcccg agaagaaccg 120
 taaagagatc tgcaaatacc tcttccaaga gggagtttgc tttgcgaaga aggacttcaa 180
 tctggcgaag acccgagat tgatgtgccg aatctgcagg tgataaagnc tgatgcagag 240
 cttcaaatca gag 253

<210> 37742

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945348H1

<400> 37742

ttcggctcga gcttctcat ttaccaagtt tttgcttgt ggtttgcaga agtaaacgag 60
 gaaaagggca tggaaaatca tagtattttg taactaaatg cttttgttct tgtgaattaa 120
 ttttcattca ctttcagatt tctggtttca tcctctattc aaatagcttc cagcataata 180
 ttttgaattt gactgctaag gaaagacccc atttttctga gttgtaaagt gacttatatt 240
 ttttgagcct agaggaa 257

<210> 37743

<211> 267

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945350H1

<400> 37743

acttttgaat ggttttgatc attggaagcc acttcagaag agaacctaat caagttatag 60
 ttattggagg tcgttttagc atcatgtgat cattttcctt atcctttgta accttcggga 120
 aatgtcactt gcaccttgaa aaagcacgag attgaaaaaa tgaatgtaat atgtttgaag 180
 tttttctttc tagatctttt cttgccattt aagcttttct ttactcaaga aattgtaaaa 240
 taaagggtcg aagacaaaat ctatcag 267

<210> 37744
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945353H1

<400> 37744

agaagattaa tctgtgtaca ttgacttaaa ggggaaaatt ggggtctgatt ggaatgtctt 60
 catttcaaga tacaacaaaa ccatatacta tagccattgt cattgtttgg gaaaacatgt 120
 tcttagtttt ggtgctactg gatgattttt catctactga aacttgattc ttgagaat 178

<210> 37745
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945354H1

<400> 37745

tagctttttc ttttcctaatt ttggctctta gcactttatg cagagtgata acagataatt 60
 tagagatcga tacatgaaga ttctgattta gcccttgagg attgggtctga taactagtaa 120
 aaaatgaagt ttgtcagagt aaattgagag ctacaccagg agccaaagtc tgatgatgat 180
 taaaaagata attaagatag tgataactgt agtatatatt tacatctact acatcacag 239

<210> 37746
 <211> 257

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945355H1

<400> 37746

gtagccttcc cgaagaattg ttggtattac aagaaaagta cacgtcctcg tgccgattat 60
 atagtttgca ggaacttgta tctgcgacct ccaactttgt atctgaaaat ttggttggca 120
 aaggtggctg tagttatggt tacagaggat gtcttccaga tggcaaggaa ttggctgtga 180
 aaattttgaa gccatctgaa aacgtgataa aggagtttgt tcaggaaatt gagatcatta 240
 caactttgcg ccacaag 257

<210> 37747
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945357H1

<400> 37747

tgcttccaat ctggactctt gtcattcatt atacctctct acaaaaatgt aatgcactga 60
 aaatggtctg aaagcaagta cataaatgca gtgccctgaa aatggtctga aagcaagtac 120
 ataaatgtag tgccctgaaa atggtctgaa agcaagaaga gataaacagc atctgacatt 180
 atgtatgtcc taaattcata gttcccttgg tgttgttgag aggtataatg aatgacatgc 240
 ttccaatctg gactctt 257

<210> 37748
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945358H1

<400> 37748

ggggtcattc atatgatccc gtgtttgttt gggcttttcc tcaattcttc aaccaaccca 60
 ttccttgcac acacgatat 79

<210> 37749
 <211> 258

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945359H1

<400> 37749

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 aaaaaaaaaa gttaattttct tgaacccaat ggcttcagag acagaggtgc cggatattat 120
 ttctctgtgtt ttcgaaagggt ttcaacaaaa cagagacatg tctctgtttc tgcccttct 180
 cttegggttc tctgacgcca cccaggagc aaatagcgac gaccagatc acgaaactgc 240
 tcccacagaa gccccaca 258

<210> 37750
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945360H1

<400> 37750

ctcattgttg aaaagaaacc ctagcaagtg gagcaatggc agacgttgaa gtcgatgtgg 60
 cggcacagca gcagcagggc tgccgaagaa gagaacgttc aagaagttca gttttcgagg 120
 cgtggatctc gatgcacttc tcgacatgtc caccatgaa ctctcaaga tgttcagtgc 180
 ccgcgctcgt agaaggttcc agagaggcct caccagaaag cccatggcct tgatcaagaa 240
 gctccgtaaa gcgaaaag 258

<210> 37751
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945329H1

<400> 37751

gacacataaa cccggcggtg acattcgggt tgttcctagg acgcaagggtg tcattgataa 60
 gggcggttgtt gtacatgggtg gcacagtgtg ccggtgctat ctgtggtact ggattggcca 120
 aggggttcca gaaagcatat tacataangt atggaggtgg tgctaactct gttgctgatg 180

gctacaacaa tggactgct ttgggtgctg agattattgg taccttcgtt cttgtctaca 240
ctgtcttctc tgccactgac 260

<210> 37752
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700945303H1

<400> 37752

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tccccctgat agcccttatg ctgggggtgt ttgtctagtt actattcatt ttctccgga 180
ttatccattc aagccaccca aggttgcatt taggactaaa gttttccacc caaatatcaa 240
cagcaatggg agta 254

<210> 37753
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700945304H1

<400> 37753

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acaggaaggg aaacctgcgc tctgggagct ggattcagat tattatatcc atgtatctgg 120
gattggggat gatctaattc ctgagaagtg ttctgaacca aatctcagtt cttctggaag 180
aggtggaatg atattcacgc ctataccagc ttgcagagaa gacttctctc gcataagggtg 240
gacat 245

<210> 37754
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700945305H1

<400> 37754

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 gacgacaact tcaagggcac ccggtgggcc gtctctctcg ccggttccaa tggttactgg 180
 aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240
 aaagaagaaa atattattgt ttttatgtat g 271

<210> 37755
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945306H1

<400> 37755

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 aaaatgccaa ccatgaatcc agatagtttc aaattcatag aagccttaat aatattaatg 120
 gtgggtttga tgatgatgat gatgttgacg gttgtttgtg ctgaagagga aataatgtgc 180
 attgagaggg agaggggaagc actctccaa ttcaaagctg cccttgtgga tgactatggc 240
 atgctatcat cttggaccac tgctgattgc tg 272

<210> 37756
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945307H1

<400> 37756

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 attcaagcac cccacgcgcc tcttctcagc cgctgctttc actgcaaagc ttccacttca 180
 atttcgagcc atttcaacgt ccttcacga caccgaaacc aatccaagag aatccaacgt 240
 agtagtagtt gaaaaggacg taagcagtag aag 273

<210> 37757
 <211> 270
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945308H1

<400> 37757

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 aacttactcc gttggaggac ctgggggatg gaccttcaac actaatgctt ggcccaatgg 180
 aaaaagattc agagctggtg atatcctaact cttcaactat gactcaacga cccacaatgt 240
 ggttgctgtg gacagaagtg gatacaacag 270

<210> 37758

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700945309H1

<400> 37758

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 ccaaaaccaa cccaccgttg gcgcgatggc tttccctcc agaggcgatg acgagtaggt 120
 tctggtgcag cgtaaatega atgcgagagt gttgacacta gacaggacta aacagttgaa 180
 tgccctctct ttttatatgg ttttcggcta cttgaaattt tttctgaaga tgagaaagat 240
 tctgatatta a 251

<210> 37759

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945311H1

<400> 37759

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 aggaggaatt gtgaacaaca ctttacgtcc tcaaatcca acttggtgtg atcctgagt 120
 gaaatctcta atggaaagtt gttgggcttc tgatcctgta gaaagaccat ctttttcaga 180
 aatttccaag aagctgagga gtatggctgc ttcaatgaat ttgaaatagt caattgatct 240

tgaataagtt aattgacctt ctcccgt

267

<210> 37760
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700945312H1

<400> 37760

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cggggaattc caattctaata aacaataata acaataagaa gaagaacaag aagaagaaga 120

acaggggtgg gagcaagaag aagatgaccc acgaacaggt cttggccttc aagttagtga 180

gtgagtgggt tttcttgat cacccttctg ctctgtcttc atcttcttct gctgcttcct 240

gtgttgctga tgattttggt gttcagaag 269

<210> 37761
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700945313H1

<400> 37761

ggcagcgatg gaagaagact tcgacatccc cggcggcgag gaaatggatc tcggcgaaga 60

cgaggtcggc gaggagaggg agatcggctc tggcggcctc aagaagaagc tcctcaagga 120

aggtcaaggc tgggaaaccc ccgaagtcgg tgacgaagtc caagttcatt acacggggac 180

tttgctcgac gggactaagt tcgattcgag ccgcgacagg ggatctccct tcagcgttac 240

gcgtggacaa gggcaaggta attaagg 267

<210> 37762
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700945314H1

<400> 37762

ctttgagaga ggaccaaggt accacgcata cgctgcgttg agggaaacaa agcttcgcac 60

gaggcaacaa gaagaagaag aggggtgttg tgaagcaaag gtttcaaccc caccaagaaa 120
 aaaacaagtc aagtttcaag gtgctgtggt ttcagggaga aaagggcat catctcttgt 180
 ggctcagtct gtgccggact ttttctaata tgtagaggaa ggagaatagg aagc 234

<210> 37763
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945315H1
 <400> 37763

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 ccatcttcac cctctttctc attgcgatcc tccccacgg acacgcaaca actccaacct 120
 ccaaacttcg cctcaaacct ctctcttctc ccttttcaac cgccctcgaa accctccaga 180
 aacaacgcgg ggtacacctt aagagcgatg agccttctcg gcgcgccact acacacgcgt 240
 tcgtcgtcga agaaaacaac aaagccttcg cca 273

<210> 37764
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700945316H1
 <400> 37764

gggtgatgtt gtttggtgcc atgattacca tcttatgttt cttccacaat gcttaaagaa 60
 ttataaccgc aaaatgaaag ttggctggtt tctgcatacc ccgtttccat cttctgaaat 120
 tcacaggaca ttgccatctc gctcagagnc tttcantca tntcttgcag cnganttggn 180
 ttgattttac accnacgaen atgtacgaca ttttgtaaga gcangtacac gcantctttg 240
 acnagtgggc acaccngtag gg 262

<210> 37765
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945317H1

<400> 37765

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 caacaaagct caaggatttg gaagtagaac ttgaaactac caaacagaaa aataaggaga 120
 acttgacgca ggctattcta attgagagag aaaggtttac ccaaatgcag tgggatatgg 180
 aggaacttag aagaaaatca ttggaaatgg agatgaaatt aaagtctgaa tcggggagaa 240
 attcttatca ggatttgact aaggaatcaa tt 272

<210> 37766

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945318H1

<400> 37766

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 gagcacacca acttgatacc tctgattctt tctttgctta gaattccaca gaatatggag 120
 aatagtcttg tcaatcactc accaactttg gaattcaagg gtttgagaga ggaggaggaa 180
 gactcattgc tagggcaagt ggaaatatgg aggtacatga catgcttcag ggactccgtg 240
 gccttgaaag ctgtcataga gcttcgtata gcgga 275

<210> 37767

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700945319H1

<400> 37767

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 gaatgtttgg gtcataatg tggttacaat agactcccct gatactcttc ccattatttt 120
 tgaacgaggt ctgttcggta tatatcatga ttggtgtgaa tcatttagca cctatcctag 180
 gacctatgat ctccatcatg ctgatcatct gttttcaaag cttaagaaaa ggtg 234

<210> 37768

<211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945320H1

<400> 37768

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 gaagcaagaa aaatgttcat cgagagtttc aagggtgaga gtcctaactg gaagtacaca 120
 gagactgaga ttcagtcctg gtacaactat gaaaccactg accttggtca cgagaccaag 180
 aatggcactt atcagtggtt tgtcaagccc aaaactgcc aatatgattt aaaaaccaac 240
 acccatgtcc cta 253

<210> 37769
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945321H1

<400> 37769

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 tgggtgggatt taagatcctt ctttcgtttt cagtctgtta ggaccgatt tcaggaattc 120
 aggacgaggg aagtccaact tgggtcacat actgtgagtt,ctcatggata tgcagttgca 180
 agaacacaca aacatgattg gctcattctc ttgtctctcg tgttgattgt tatcagcctg 240
 tacattatcc atcctttcca tcgctttg 268

<210> 37770
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945322H1

<400> 37770

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 gaggcgctat gtggggaatt tgaatttgct atttgcttat gttgaagggg agagcttgct 120
 catgggtttg aaggaggtgg ctgtgtccag tggcagtgcc tgcactagtg ctagtttgga 180
 gccttcgtat gtgttgaggg cgttgggagt cgaggaggac atggctcaca cttctattag 240

255

<400> 37771

<400> 37772

<400> 37773

15131

agtctaagtg tagtaccgtt gggattcaag gaatcgcttg ggccttcggt ggcatgatct 240
cgccc 245

<210> 37774
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945327H1

<400> 37774

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ttcaatagac aagcacttta tggctatagc cctccttcta tgcccagcgt accaagatct 120
tcatgctgtt gcttccccctc aaagaagtcc accaacgatg tctcagactt tcaaagaaac 180
gcaaagaggg aagaatctta ggccgccaat tttaagcgtg aggaacgtgt acaattcgan 240
tagcantaga g 251

<210> 37775
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700945328H1

<400> 37775

ggaagttgca gaaaacctag agagagtga tgaagtcttg gagcacaaga aggggtggagt 60
tggtgctgaa gaacagggttc ctgagttact tgatctggca atccatacat tcctctct 118

<210> 37776
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945302H1

<400> 37776

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ggcgcaactg gatcatnggt ggccctcctc ctccaccagc gtggttatac ggtccatgcc 120

accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat ggaaggagca 180
aagagtcgtc tccattatatt tgaaatggat cttcttgaca tcgactccat tgccgctgcc 240
ataaaggggtt gtcccggcgt aatccacctc 270

<210> 37777
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945266H1

<400> 37777

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gtgtacaagc ctattccaaa gccagttccc gtgtataagc ctataccaaa gccagttccc 120
atttataagc caattcccat ttttaagcca ataccgaaac cagttcccat ttataagcca 180
attcccattt ttaagccagt accgaaacca gttcccattt ataagccaat tccaattttt 240
aagccagtac caacac 256

<210> 37778
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700945268H1

<400> 37778

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cagatattgg tggttgcatt gaatcggaga gggtaggtag gtgggaagac gtgtcttggt 120
ttgtagcttt ccccttcgct ctctctctct tccccggcgc atgtgccgga ttagacgcca 180
actgcttcca taattcacct cctccaacca accaacacaa tatttccttc tggattggat 240
ggacgaagca tg 252

<210> 37779
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700945269H1

<400> 37779

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 gtgtttgttg acacctatgg cactggaaag atccctgaca aggagatcct taacattgtg 120
 aaggagaact ttgatttcag gcctgggatg atctccatca accttgatct caagaggggt 180
 ggaaataaca ggtttttgaa gactgctgca tatggacact ttggaagaga ggaccctgac 240
 ttcacatggg aag 253

<210> 37780

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945271H1

<400> 37780

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 ctgcgagctg cgctcggcga ggcccgcggg tcggccgagg gaaccggccg gtccgggttca 120
 ggtttcgatc cccaaaccca caccxaaagc ggcggaggcg gaaagcgcga acatcgtttt 180
 gcagccgcgg ttgtgcactc tcagatccta cggttcggat cgagacgggg tgcttatcaa 240
 gactcgcaa 249

<210> 37781

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700945273H1

<400> 37781

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 gcaatcgaac ctttcatctc caaagggatc cacaggccga aggagaaatg gggctgacat 120
 tcacaaagct tttcagtcgg cttttcgcga agaaggaaat gcgaattctg atggttggtc 180
 ttgatgctgc tggttaagacc actatcctgt acaagctcaa gctcggagag atcgttacca 240
 caattcctac cat 253

<210> 37782
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945274H1

<400> 37782

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 cgataatggc tacaccggac cacctcttca acctccgcaa caacttctac caaggcgctt 120
 accaagccgc catcaacagc agcgacgttg ccaacctctc ccacgaagat accctcgagc 180
 gcgacaccct tgtccaccgc tgctacatcg cctcggcca gtcacagttc gtcacatctc 238

<210> 37783
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945275H1

<400> 37783

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 cagaatggga tacttgtatt ccagtagctg attttgagtg gaaacagatt gctgagccgg 120
 ttatgcagtt atatatggaa acaactgatg gttcaaactat agaggccaaa gaaagtgtc 180
 tagtttgaa ttcgagctat cagaccgaga cttgtgttc atgccaagct aaggagctt 239

<210> 37784
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945276H1

<400> 37784

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 gctgctctc ttctcttct ctttcgatcc atccctcatt actagtgtc caatccagcc 120
 agctcagcct gcacactcac atatacacat atctgaacgc gtatcgtccc tcctatggct 180
 tcaaagcgca tcctcaagga gctcaaggac ttgcagaaag acccatcaac ttcttgagc 240
 gctggtccag tagctg 256

002260"CTTFS60

<210> 37785
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700945278H1

<400> 37785

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caacacgggtt cgtgtttttg gcattacaaa acaccaatct cgttttcttc cttcatcaac 180
tctgcatctg aggaataaca gtgtgtgtgg atttggaatt ggggttgaga agaagaagaa 240
g 241

<210> 37786
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700945279H1

<400> 37786

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aagtgccatg gctaaaagca ccaacagcga gaggatgaag cagaacctgg acatatttga 120
ttttgtgctg agtgaagagg atttaaaccg gatcagtcag gttccacaac gcaggcaata 180
cacaggggac atatggctat ctgaaaatgg gtcttgcaag accttggaag aactttggga 240
tggagacggt taagtat 257

<210> 37787
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 700945280H1

<400> 37787

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tggtgttggg aaagtaaaag atagatatga tggatgagct ataccccaga agtggtttct 120

gcagctccac ttcaatcttc tacagcaagc gtaa

154

<210> 37788
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945281H1

<400> 37788

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 cctagaggtc gaaagctctg acaccattga caacgtcaag gccaagatcc aggacaagga 180
 ggggaatcccc ccagaccagc aacgtctcat cttcgccgga aagcaacttg aggacggggc 240
 caccctcgcc gact 254

<210> 37789
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945282H1

<400> 37789

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 cagaaaatga aacaaccgag gtaagcaaga cccaggaaac aaccccagtc actgaggctc 180
 ctgcaacaga acaaccagca gctgagggtc ctgcaacaga acaaccagcc gctgaggctc 240
 ctgagccaga atc 253

<210> 37790
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945283H1

<400> 37790

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ggtcttccct cacacaacca agccttcttc ttcccttccc accactttct tcatttcaca 120
 cttctcctct gcccctctct cttcctacgg accctccctc cacaagggaa caacaatccc 180
 ctccaatcc ctaaagcagc cgttctctg cgaagaagcc ttcacgcgag tcttccacct 240
 cgccgcactc cgc 253

<210> 37791
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945286H1
 <400> 37791

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 atatttgcgt cttgatcatc tcctagttag aacttatttt gatccaaatg aggcttatca 180
 agactcaaca aaagagaagc gacgtgcaca aatagcccaa gctattgcag cagaagttac 240
 tgtagtgcca c 251

<210> 37792
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945287H1
 <400> 37792

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 agcacagaaa ttctcggaga ggcaagcact gggtagagga gctaagagtg acaaggacta 120
 caaggaggca ccaccagcac ccttgtttga gccaggggag ttaaagtcac ggtcttttta 180
 cagagctggg atcgcagagt ttgtggccac attcttggtc ctctacatca ctgtcttgac 240
 tgtcatgggt 250

<210> 37793
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945288H1

<400> 37793

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 ttgattgcgt tcttggtttt tcttggtgggt aggggggttc tctctctttt ctctgcagtt 120
 tgatggatcg ggaaggagga tccaacgccg gatcttgcta ctactccgtt ctcgggattc 180
 gtagggatgc ctctttctct gatattcgca ctgcctaccg caaactcgct atgaggatgc 240
 acccgacaa g 251

<210> 37794

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945289H1

<400> 37794

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 gttcacaaaa accttttact tctattttca atctatctag ttccttctcc catattatag 120
 taccctttta tccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180
 cgctttgtta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240
 ggaatgtgt 249

<210> 37795

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700945290H1

<400> 37795

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 atttgacga caccttgtag ccctccagca ccggaattga caagtgcgtc aagaaaaaca 120
 tccaactctt tctcatccag aaatgaggat tctcagaatc caaagccttg acccaacgag 180
 ttgagctctt caaaacctac ggaagcacc ttgccggctt aagagcacia ggctcagata 240
 tcactgcaga gg 252

<210> 37796
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945291H1

<400> 37796

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 cctatattgc tgagttccat tcaaccttgc tctttgtttt tgccggtggt ggttcagcca 180
 tagcctatgg taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg 240
 ctatttgcca 250

<210> 37797
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945292H1

<400> 37797

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 aaaatcgatt ggcgatgatg gagttgaaag agattcagag actcgaaggc cacaccgata 120
 aggttttgag cttggcctgg aacccgacca ccggtcacgc cggatatcca ctctgtcttcg 180
 cttcttgcag cggcgacaaa accgtccgaa tctgggagca gaacctctcc tctggcctct 240
 gggcctgcac 250

<210> 37798
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945293H1

<400> 37798

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catttgagct ccagaggtca ccaacggaag aagagttagt agaaagaatt gggatctcac 180
 ttgaaagata tcatgaagta atgaaggcat caaaacccat tttatccctt cattcaagac 240
 atataaccac gca 253

<210> 37799
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945294H1

<400> 37799

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 gtgttggctt tgagtttgag tgtggctgca tcagcggaac aactcagttc acgagaatgc 180
 gagaatctcg gtttcaccgg actcgccttg tgctccgact gcaacactct ctccgagtac 240
 gtcaaggaca aag 253

<210> 37800
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945295H1

<400> 37800

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<210> 37801
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945265H1

<400> 37801

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 gactagaatt ttcagaattt gacgtatggg gaggctgttt gtgacccatc tggaggggca 120

gatgtatacc tgcaaact gccgcacca cctcggtct ctatgaagac atcgtttcca 180
aggctttcca cagcagacat gggacagctt atctcttcag taaagtgtaa gtcac 235

<210> 37802
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945296H1

<400> 37802

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cttccctttt ctccataaac gaggtatatc agattcgtc ataataggag ggaatcgaat 120
cgaatcgaat cgaaaggaaa gtgcagaatg gatgacatgc cggtgccggc gctctttgag 180
caagcccga agatccacgc cgcagccacc gagttcggcg ccgaccagga cggttntaag 240
aaggggatcg ag 252

<210> 37803
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700945229H1

<400> 37803

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atgacacaca aggaattttc cattgctcta gtgactctca ttgctgttct ctttgtcaac 120
atgaacatcc aaggtgccac tgctgactat ggtagttggc agagtgtca tgccactttt 180
tatggcgggg gtgatgcttc tggcacaatg ggtggagcat gtgggtatgg aaatttgtat 240
agccagggt atggaactga cactgt 266

<210> 37804
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945230H1

<400> 37804

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actgtacaat tctgagaatc aaacctggga actactccct agcatgaaca agccgaggaa 120
gatgtgctct ggggtattta tggatggaaa gttttctggt attggtggaa ttggtggata 180
agattctaag cttcttacat gtggtgagga gtacaatata caaactagaa catggacagg 240
aattcctaac atgtcc 256

<210> 37805

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945231H1

<400> 37805

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ggacatacgt gtaggttcta gttgctattg taacattatg ttgtgagata tgtaatatgg 120
acatgtaatc atatgtaagg tagtgatgcc aagtagtttg gtcctgtgcg tgctactgta 180
gatatgaatg tctcatcact gttatggta ttgcaagta cctgaatgga aataatttgg 240
gttctccac 249

<210> 37806

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945232H1

<400> 37806

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atacgttgca cctgagtatg caagctcggg tatgcttaat gagcgcagtg atgtatatag 120
ctttggagtt cttctcatgg agataatcac aggaagaagc cccattgatt attcaagacc 180
acctggagag atgaatttgg tagattggtt taaggcaatg gtagcaagtc gtcgcagtg 240
ggagctagtt 250

<210> 37807

<211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945233H1

<400> 37807

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 agtgggaaggg agtacaccgt gaaggacatg acgcaagccg atttcggaag attggaaatc 120
 gagctggcgg aggttgaaat gcccggcac atgtcctccc gcaccgagtt cgccccctct 180
 caacccttca agggcgctag gatgaccggc tcctccaca tga 223

<210> 37808
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945234H1

<400> 37808

actctgcgac caaatctccg atgctgtcct cgacgttgc cttgaacagg acccagacag 60
 caaggttgcc tgcgaaacat gcaccaagac caacttggtc atggtcttcg gagagatcac 120
 caccaaggcc aacgttgact acgagaagat cgtgcgtggc acctgcagga acatcggtt 180
 cgtctcaaac gatgtgggac ttgatgctga caactgcaag gtccttgtaa acatctacca 240
 gcagagccct gatattgccc aggg 264

<210> 37809
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945238H1

<400> 37809

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 tcacctcacc gctgcatctt cacgtcgtct ctaacgaggg aacatgagtc gaggaggtgc 120
 agcagcagcg aagggaaaga agaaggggtgc tacattcacc aattgactgt gcaaagccag 180
 tagaagacaa gatcatggac attgcttctc tcgagaagtt tcttcaagag aggatcaagg 240

ttggtggcaa agctggtgct cttgg

265

<210> 37810

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700945240H1

<400> 37810

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caaacatgtc gaacacatgc ggcaactgcg actgcgctga caagactagc tgcaccaagg 120

gaaacagcta tggtgttatt gtagagactg agaagagtta catctcgact gttgtcatgg 180

atgttccagc a 191

<210> 37811

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700945241H1

<400> 37811

caagaggccc tcagacaagc cactcaggct tccattgcag gatgtctaca aaattggtgg 60

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gacttttggc cccactgggc tgacaactga ggtaagtct gttgagatgc accatgagggc 180

tctcacagag gctcttccag gtgacaatgt tggctttaat gtgaagaatg ttgcagtcaa 240

ggatctcaag cgtggttttg 260

<210> 37812

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700945242H1

<400> 37812

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tgtgggaggg cacaagaagg aggaggagca caagggtgag cagcaccatg gtggagaata 120

caaaggggag catcatggtg aacacagtac tgaatacaaa ggagagcatc atgttggtga 180
gcacaagccg gagcaccatg gacgagaaga gcacaaagag gggttcctag acaagatcaa 240
ggacaagatc cacggcgagg a 261

<210> 37813
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: 700945243H1

<400> 37813

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gggtgttggtc gcgccgtttt catcttcttc caaaccctaa gacacgttcc tcggaatctc 120
ccccgaagat gacaagtatt acaaggcttc cgatgtgata aggtgttaaag atggatccgg 180
aaaat 185

<210> 37814
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945245H1

<400> 37814

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gaaaactggg cagaaggata tcttttacat aactggaacc agcaaagaac aactggaaaa 120
ctctcccttc cttgagcggc ttaagaagag caattttgag gtacaattta aattgtttga 180
tttttattac aagtatatatt gctctattat ttgttctttt aaaaacattt gtctttctat 240
tctgctgaga gatgat 256

<210> 37815
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700945247H1

<400> 37815

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 caccagtata gtatgtatgt aaataatttg cacgatgtaa tggtatgaag gaggaaactg 120
 ctaagcacat gtttatgctt ttattctgta attctctatg ctagctagtc tagccacaaa 180
 tcattacca ctgttatagt tattgcaagt aacctgaatg aaattaattt gagttctcac 240

<210> 37816
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945248H1
 <400> 37816

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 gactaagctc tacatttcca atttggatta tggcgtttcc aatgatgata ttaaggagtt 120
 gtttcttgaa gttggcgacg tgaaacggca tactgttcat tatgacagga gtgggagatc 180
 caagggtagc gcagaagtag tcttctcgcg ccgagctgat gctgtagctg cagtgaagag 240
 gtacaacaat gttcagctgg atgg 264

<210> 37817
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945250H1
 <400> 37817

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 tggcagcaag agacccttca gggattctct ccccatcac ctacaatcta agaaacacag 180
 gccctgatga tgtttacatt aaagttcact actgtggaat ttgccattct gatctccacc 240
 agattaataaa tgatcttggc 260

<210> 37818
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945251H1

<400> 37818

tgttgctgag gtgatgaatt tgattggtga tgtaagggga aaggtagcag ttatggttga 60
 tgacatgatt gatactgctg ggactattgc caaaggtgca gctctgttgc atcaagaagg 120
 ggcaagagaa gtctatgcat gcactacaca tgctgttttc agtcctcctg ctattgagag 180
 gttgtcaagt ggtttgttcc aagaagttat cataactaat acaattccag tggcagaaca 240
 gaactatttc cctcaa 256

<210> 37819

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945252H1

<400> 37819

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 tcaattaagc tatgatgttg gtgtgcctca attctaagtt gccctataca ctttacatat 120
 ttgaattgta aaatggtttt gattattcag gtggaggtgg tttttgtgat ggtcccactt 180
 gctaagggtta attgcaagag tagttgaacg tccaagccac tccaatgatt ggaatgtttt 240
 tgttgtttat gtaattg 257

<210> 37820

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945253H1

<400> 37820

atcaccacca ccgtacacca ttccaccgc accctcgact aatgcggctc cggcaaggctc 60
 ttctgtctacg acctcccca aaccttcaac aacgaaatcc tcctccattg cgacaacctc 120
 attccctgga gctcccgtg cgacgcctc tccaacgacg ccttcggccg aagcgccgct 180
 gcgctcgccg gaatcgtccc ggaggatctc ctccggcgt ggactggac tgaccagttc 240
 gtaaccgaaa tcatattc 258

<210> 37821
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945255H1

<400> 37821

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 cagcttcagt cacattttta tcaacaacag cagcttcattg tttaactttt attgtcaaga 120
 caacagggtta ttgacctaa agaggtaaga ggtgggtgatg aaatgacgat aaattacctt 180
 tgtgaaaagc taggagtga actgcgttga agaaaaggat tgggaatgaa tgctgattca 240
 atcattgatt ccattaaa 258

<210> 37822
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945256H1

<400> 37822

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 cgcgccacca ccttccttg caacccccag tctgcgtttc cgcagatcca ctgtccgcac 120
 ataaagggtgt atactctgct cagttatata atttgctaata aatttttact atctttacga 180
 cgctgccacc gtgtcgaagg tcggtgcgtc gtcgcgcact ccgacgccgc ggcggcc 237

<210> 37823
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945257H1

<400> 37823

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 tattggtacc gtgccagtgg gacgtgttga gactgggtgac gtgaagcccg gtatggtggg 120
 gacttttggg cccactgggc tgacaactga ggtaagtct gttgagatgc accatgaggg 180

tctcacagag gctcttccag gtgacaatgt tggctttaat gtgaagaatg ttgcagtcaa 240
 ggatctcaag cgt 253

<210> 37824
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945258H1

<400> 37824

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 tgtgggaggc cacaagaagg aggaggagca caagggtag cagcaccatg gtggagaata 120
 caaaggggag catcatggtg aacacagtac tgaatacaaa ggagagcatc atgttggtga 180
 gcacaagccg gagcaccatg gaggagaaga gca 213

<210> 37825
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945259H1

<400> 37825

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 tgggtgttgtag cgcgccgttt tcattcttctt ccaaaccctaa agactcgtcc ctcggaatct 120
 cccccgaaga tgacaagtat tacaaggctt ccgatgtaat aagggtgtaaa gatggatccg 180
 gaaaattcac caaggcgcag ctcaacgtcg atatctactt ttgcgcttat ggcaccgatg 240
 aacctggcac atcgcat 258

<210> 37826
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945261H1

<400> 37826

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002250"CTT560

gaaaactggg cagaaggata tcttttacat aactggaacc atcaaagaac aactggaaaa 120
 ctctcccttc cttgagcggc ttaagaagaa caattttgag gtacaattta aattgtttga 180
 tttttattac aagtatattt gctctattat atgttctttt agaaacattt gtacttctat 240
 tctgctgaga gcatgatga 259

<210> 37827
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945264H1

<400> 37827

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 gactaagctc tacatttcca atttggatta tggcgtatcc aatgatgata ttaaggagtt 120
 gtttcttgaa gttggcgacg tgaaacggca tactgttcat tatgacagga gtgggagatc 180
 caagggtacg gcagaagtag tcttctcgcg ccgagctgat gctgtagctg cagtgaagag 240
 gtacaacaat gttcagctg 259

<210> 37828
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945228H1

<400> 37828

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 caaaciaaact tcattggtgg gtttggacag tacccaattg gggatattgg aaggtttgat 120
 gcagagcaat ttacaccaag gttttcaggt aatggtgttt ccctcactct tgggtcttgac 180
 tcattaccag gaactcatca aacatttcta ccaaaccaaa acattcaact tggaagaagc 240
 ttggacattg gtgaacccaaa tgagt 265

<210> 37829
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945201H1

<400> 37829

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gaggggatga aaggcgtgaa ccaggtggat gtggaacgta aggccaacaa agtcactgtg 120
gtcggctacg tcgaggcctc taagggtgtc gcccgcatcg ctcaccgcac cggcaagaaa 180
gccagagctc tggccctacg tcccctacga cgtcgttgtc caccctacg cacacggagt 240
ctacgacaag aaagccccct ccggttatgt ccgcaa 276

<210> 37830

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945202H1

<400> 37830

aagatactta gaatcaattg agtggcgagg atggcaaaca caaacagcga caccaaagaa 60
gaaagcaaaa aaatggatga aagagagaca atacctctcc tcacctcata caagatggga 120
aattttaatc tatccacag gatttgtgtg gcaccgttaa cacgatcaag gtcttacaac 180
ttcgttcctc agacgcacgc tgctctgtat tattctcaga agaactaata aggggtggctt 240
cttgatcggg gaagctaattg gtgtatctga 270

<210> 37831

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945203H1

<400> 37831

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gaacttccca ggttggtgta tgtttccaga gagaaaaggc caggttacca acaccacaaa 120
aaggctgggtg ctgaaaatgc actggtgagg gtgtctgcag ttctcacaaa tgctcccttc 180
attctcaatc ttgactgtga tcattatgtg aacaatagca aggctgtacg agaagcaatg 240
tgttttctga tggatccagt agttggcaga 270

<210> 37832
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945204H1

<400> 37832

ggttgcgtgg gccccgcata gctcgtgccata tatatgcacc gccggggatg attcgcaggc 60
 gctgatttgg gacctttctt ccattgggtca acccgtggag ggcgggcttg acccgattct 120
 tgcgtacact gcgggtgcgg agattgagca gcttcagtgg tcgtcttcgc agcctgattg 180
 ggtegtctatt gctttctcca ccaagcttca gattcttagg atttgaaatt ttattaatgc 240
 agtatcatca cttctgcttc tgt 263

<210> 37833
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945205H1

<400> 37833

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 tggcgctggt ccttctctac gaatccgctt cgggctacgc cctgttcgag gttcacggct 120
 ccgataaaat cggccagAAC accgaagcgg ttccggaactc cgtttcggac ctcaacaggt 180
 tcggcaaagt cgtaaagctt cgtcctcaca accctttcac ttccgctctc gatgctctca 240
 agcagtgcaa cgccgtctc 259

<210> 37834
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945207H1

<400> 37834

cactcactca ctcttcgttt cgattctctt tctcactcta gatctgtgtt tctctctcca 60
 accttcgttt caccacactt ccattcactcg tcgagtgtag aaatggctcc accaattgag 120

accccaacca aagtttccag ctatcagaac tacccaaacc ctagtcttaa cgagaggctt 180
ctttcatcga tttcccggga a 201

<210> 37835
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945208H1

<400> 37835

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gtagtcttgg tgctgctatc atcttcaaca aggaccttgg ttgggatgaa cactggatct 120
tctgggtggg accattcatc ggtgcagctc ttgcagcact ctaccaccag gtcgtaatca 180
gggccattcc cttcaagtcc aagtgattca atcaaacgga ttcattgcatt aataagggtg 240
agaacaacaa ccacaaca 258

<210> 37836
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: 700945209H1

<400> 37836

caaaagggca gttactaatt ttcacaactg gattcaagct ggtttctctt cctcttcttc 60
atgttcattt attgaatccc accccaaatt tctaattctt tctctttcac tctcccacgt 120
gcaccttcct cttccccgct ctaaataatt ctccgttccc atcattctct ctctctctct 180
cccaatacat tattattata t 201

<210> 37837
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700945210H1

<400> 37837

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aagccctgag ttgctacttg cacaagttat ggcagcttgc aaaaagtatg aggtgaaggt 120
 ttcagggtcaa aattcttctg agtctggtgt tccagggtgt tttgaacaaa taaagaagaa 180
 tctatctgga gataatgtat tggatttgtt cacatatcat agaatgggag catctttctt 240
 ttctccagag cattttcctt tgttc 265

<210> 37838
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945211H1

<400> 37838
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 tcccgaccca gagattcctt ctctcgtcct ttcaggaaga aggcgagcat cgccttcacc 120
 acatacctta gaagctacca cgtcggcgac tatgatgacg ctcaagggtta acgttgccgt 180
 tcacaaggga attccccaca agattctacc atggccgaac cggacgcgtc t 231

<210> 37839
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945212H1

<400> 37839
 aaagcattga attcaaaaac ttaagttcat tccttgtgtt ttgctttctt cctcaaaacc 60
 aaacatgtcg aacacatgcg gcaactgcga ctgcgctgac aagactagct gcaccaaggg 120
 aaacagctat ggtgttattg tagagactga gaagagttac atcgagactg ttgtcatgga 180
 tgttccagca gctgagcatg atgggaagtg caagtgtggc actaactgca cttgcacgga 240
 ctgcacctgt ggccattaag gaatatgta 269

<210> 37840
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945213H1

<400> 37840
 tcaggaagac cagaaggcgt ttagctcggc agaagaaggc tgtcaagatt ttcccaaggc 60
 atactgctgg acctctcagg ccaattgttc atggccagac tctgaaatac aacatgaaag 120
 tcagatctgg gcgaggattt tctctcgaag agttgaaggc tgtgggaatt cccaggaaac 180
 ttgggtccaac tattgggatt tctgttgatc acggagaaaag aatcgttctt tgagagtctg 240
 cagccaatgt gcagaggcta aaac 264

<210> 37841
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945214H1

<400> 37841
 gttcctgcgc gtgaacaagc ctcaggtaag ccaaagccat ggttaacgca taacaatggt 60
 atccccaacg gagcacttcc gtaagcactg gcagaactat gtgaagacct ggttcactca 120
 gccagcacgg aagacaagaa gacggttggc tccgtagcag caagctgtga agattttcac 180
 caggcctacg agctggacct cttagaccca ttgtacatgg tcaaactttg aaatacacac 240
 tgaagtgaga acttgaaagc ggatttcc 268

<210> 37842
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945215H1

<400> 37842
 cgtgttttct ctctagattc tgctcttaaa cgccgtcgtt ttcaaactct ttttttcccc 60
 ttcgcttctc tgtctttgta accgaaaggg gggaaaatat aattaacacc gatttcgcga 120
 ccaattcttc ttctgcgttg aattgggaca acgagaaatt ggatctcagt ttttggcagg 180
 aaataaaaaat tgcatttgag tgtaaaataa cagagtatag tgtagggcct tgttcttgat 240
 actgtgctaa atttg 255

<210> 37843
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945216H1

<400> 37843

cgagcagtcc gtgatccccg gcggcgggcg gtggctcggc ggacaactct tctccgcat 60
 ggtggttcgc aagccggcgc acctcttcct ggacgagctc ggcgtggcgt acgacgagca 120
 agaggactac gttgtgataa agcacgcggc tttgttcacg tccaccatca tgagcaggct 180
 tctagcgagg cccaacgtga acctcttcaa cgcggtggcg gcggaggact tgatcgtgaa 240
 ggaagggagg gttgcagggg ttgtgaccaa c 271

<210> 37844
 <211> 77
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945217H1

<400> 37844

ttaactgaac ccttcttttt aaggatggaa tatgtatatt gttccatata atggaagtta 60
 aagtgggtgtt gttgacc 77

<210> 37845
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945218H1

<400> 37845

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 tttgcaaacc tttcttctcc aaatctcage ctctaacgtt gcaagcctct tcacctttgt 180
 cctcactctc ttcattattcc tctgagccac ccaaattctgt ttcaacgcca gagaaacaac 240
 aacagatgag caagcaagca catgctgt 268

264

<400> 37849

ctccta^{aa}aaag cattcagacc aaag 264

<400> 37850

catggactcc aagccacca taggtgccga 150

<400> 37851

aaaccgaaat tgtttgttgg taacaaaatc aatgctggaa tttacctgct gaacccctct 180

gttttgatc gaattgaact gaggccact tctatcgaga aagaggtggt tccaaagatt 240
gcttccgaga aaaagctata tgc 263

<210> 37852
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 700945226H1

<400> 37852

aaaaaagaca acacagagag aagcgtctta ataaacgctc ttctctgaaa aacctgattt 60
cttctcttct tctcttctct ttcgtttcga tcttcgatct ctgaaaatga gagagtgcac 120
ttcaatccac atcgggtcatg ccgctattca ggtcggaaac gcctgctggg agctctactg 180
cctcgaacac ggcattcagc ctgatgggca gat 213

<210> 37853
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700945227H1

<400> 37853

gggagccctt gacaatttgg gcaacttgag acaacaatat ggattggcca agtcaaccaa 60
tgaagtattg ttggtcattg aggcttacia agcattgcgt gacagagcac cctaccctgc 120
taatcacgtt gttggccatc tcagtgggag ctttgctttc atagtttttg acaaatctac 180
ttctaccctc tttgtggcct ctgatcaata tggttaaggta cctctatatt ggggaattac 240
tgctgatggc tacgtagcat ttgcc 265

<210> 37854
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700945196H1

<400> 37854

ttgatggtgg aaactgtaag agtggggaga gaaactagtg actgactttt cgagaaagga 60

aaaaaaaaga gtttcgga ttattccatc atgaacgctc ttcccattct tctcttcttc 120
 ctcttcgttt cggcattagt ttatgcgaag aaaactggcg atgtgacgga gttgcaaatt 180
 ggcgtgaagc ataaaccagc atcatgtgaa gttctggcac acaaagggtga cagagtcaaa 240
 gta 243

<210> 37855
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945158H1

<400> 37855

caacccttta taaattgcac ttgggtgagg ttgtcacaac caaccctact gtaggaagca 60
 acgtggaaga gctcgtctac aaaaatatac gatttgaggt ctgggatctt ggcggaacag 120
 aaagctgagg acatcatggg caacatatta ccgaggaacg catgctgtta ttgcggtgat 180
 tgacagcagt gatagagcca ggatctctat cataaaggat gaacttttta ggttgctggg 240
 gcat 244

<210> 37856
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945159H1

<400> 37856

ctcatttttc agtttctccg tttcttattc gttagatctc atcttacact cgccatcaag 60
 ttctgtctcg gccaccgtcg acgcagctcc gaccatctcc tttggttccc tcaactttctc 120
 gctctcttct tctcagaaat atgccttctc agaagggtga aacgggtcat caagacacgg 180
 tccatgatgt tgcgatggat tactatggta agaggctggc cacggcttca tcagatcaca 240
 caatt 245

<210> 37857
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945160H1

<400> 37857

tcttttcttct agcattttaag agaaagaaca agaaggacat aagtgggaag cccagagcac 60
 ttagaagggtt gaggactgct tgtgagaggg ccaagagaac attgtcatcc actgcccaga 120
 ccacactnga aattgattct ctctatgatg gaattgattt ctactccact gttactcgtg 180
 cttaattcga ggaactgaac atggatctct ttaggcagtg tatggagccg gtggagaaat 240
 gtttga 246

<210> 37858
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945161H1

<400> 37858

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 aaagtttgcg ctgaactgag acccacagta gacatttctg tgccaccaga tgcagacttt 120
 gttctccgga gttgcgttct agcaattaga acttaaaagc aattatggct ttcacttcga 180
 atctttttca gatttctcag aactgcagtt atcttgtag tttgggtttt catgattgga 240
 tgcta 245

<210> 37859
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945162H1

<400> 37859

gaacgctgct gccgaaaccc ttccggaacc ctaaggaag tgagtaatca gtggttgaga 60
 atggttgaga aggcgaaggg tagaaaggag gaggtggtta cacgtgagta caccattaac 120
 ctcccaagcg cctccatggc tgcacattta agaagaaagc tcctaaagct attaaggaga 180
 taaggaaatt tgcccaaaag gccatgggga ccaatgatgt gaggggtggat gtgaagttga 240

aca

243

<210> 37860
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700945163H1

<400> 37860

agaaaatcct caattttctg agcagccaaa cactctctct ctgtctctcg aaaattctca 60
gtttgcagag aaaatctgaa tcatgtctgt gcaagcgtat gtcgacgac accttctgtg 120
tgacatcgaa ggtaaccacc tactcacgc tgctatcatc ggccaagacg gcagcgtttg 180
ggctcagagt accgacttcc ctcatgtcaa acctgaggag ataactgcca tcatgaatga 240
ctttaatg 248

<210> 37861
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700945164H1

<400> 37861

cttcactccg acattgctcg ccttcacacc cccacaaaca caaaccgttc tgagacgtat 60
ttatagttat cccattgtc gttattttct ttcttactcc ctctcaatta aacgggtgta 120
gggttagagt aggattaggg ttaggggtcc tctttaccog cgtaattcta ccttccttcc 180
aacaataaca acaataatgt tcggctccat caaccagatc gtctccgccg aagacaccga 240
cggccccgtc t 251

<210> 37862
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700945165H1

<400> 37862

ctgtgactct gtgcttagtt aacgttaaca gtgacttaag atggcggatt ctgcagatgt 60

cacccacgat gttgtgtccc tcctctcttc tcctcaaagg gactttcttc ttcgaaacaa 120
 cggcgtcagg ttaaaattga cagcttgaag ggtaagaaac ttggtttgta tttttcggca 180
 tcctggtgtg gtccatgtca aacatttacg ccaactttgg tggatgt 227

<210> 37863
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945166H1

<400> 37863

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 ccggaattgg cgtgtccaag gcggcgctcc ggccttcggc gctccctacg gagcagacgg 120
 tccgcaacgc gtcgcgacca acggcggtct ccggagtgtc gtcgcagtcg gcgaaatccg 180
 cggaggtggc gccgctgcac acggcagctg cctgggacga ttgggacttc gccgaggatg 240
 gcgaatt 247

<210> 37864
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945167H1

<400> 37864

aaaacgcatt gtgtttctct ctttccgagg cgtaggtctg agcagtttgg gaaaccctaa 60
 ctgctctcac cactctcttt gctttttttc ctctccgac aacgacctct ttcgtcgccc 120
 taagcatggc aggacttgca cccgagggat cacagtttga tgctcgtcaa tatgatacca 180
 agatgaatga gttgcttaca tctgatggac aggatttttt cacatcttat gatgaggttt 240
 atgaca 246

<210> 37865
 <211> 67
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945168H1

<400> 37865

aaatttgcac cccttaattc ttgtagaatt gatgtctggt ttgtacaatc aggtttccac 60
acaacat 67

<210> 37866

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700945169H1

<400> 37866

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cacattgacc ctgagtgaac tttggtcttt gtatagattg tgtttcttgt ttatttgtag 120
tttgtgacgg atgaaacat gccattgcat ccaccaaact tggtagcttt gttatgaact 180
tgtgatgtaa tcctttccag taaattttct cttctgtgag ttgtcagtgc c 231

<210> 37867

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945170H1

<400> 37867

gttttcaaaa aggtctctgga agtgtgggac ctacaagtta tccctcttga ctctccagtt 60
gctgagcctg cccagattga ccctgagctg gaaaatgctt tcatttgtca tttgcaagac 120
cattgggtttt gtatccgtaa agtgaacagg gagtgggtata attttgacag tctctatgca 180
gccccacagc acctttccaa gttttacctc tctgcctatc ttgactcttt gaaaggcttt 240
gggtgg 246

<210> 37868

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945173H1

<400> 37868

ctttctacct gaggccatgc aatcagggtcc taaatccctt gcctcttagg ccctcctctt 60
 tgaagtaag aacaagagag gaggaaggtt gttgcactgg ttccaacact gaatcagtct 120
 gtgaatggaa aaccaaggca agaactcaga tgctgttgat tctaagtttc aaaaatatca 180
 cgaggaagga gctgcacccc agaagaagcc accagtgtac aagcctccag tgtacaagcc 240
 accagt 246

<210> 37869
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945176H1

<400> 37869

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 aggctccgac aaaagaaggt tctcttgatt ttagacgatg ttgacaagca caaacaatta 120
 agggctatgg ttggaagatc tgggttggtt ggtgccgta gcagagtcac cattaccact 180
 cgggacaaac atctactaaa atatcatggc gttgaaagaa cttatgaggt ggaggttttg 240
 aa 242

<210> 37870
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945178H1

<400> 37870

attcaatttt gcgtttctct gcctaaaagg attgaaagat gggtaagca ttcggttgct 60
 accaagtcga tcagtcaaat gtggctatca aggagcattt tggaaaattt gatgatgtcc 120
 tagagcctgg atgtcactgc ctgccttggt gtcttgggta ccagattgct ggtagtctgt 180
 cgctgcgagt gcagcaactt gatgttcgat gtgagacgaa aaccaaggac aatgtctttg 240
 tca 243

<210> 37871
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945179H1

<400> 37871

atgatcacca cgaagatgtc ttgagggatg attctcttcc tgtctgttca cctgacaaag 60
 tacacgatgt gaaattaggg gacttagcgg aggagagtaa tggtgctcct gcaacaagtg 120
 atggccaggc taatgctgcc tcaggttcta gtagcaaagc tgggtacagtc aggggatcag 180
 actctcactg atttttaggag tggctataac tcaagctcaa gaggtgcaat gtcatttgct 240
 gctgctg 247

<210> 37872

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945180H1

<400> 37872

atcctcgatg gtaaataata cttttctcca cagcaatcaa tttatatgag tattcaaagc 60
 tagactgcgt tcttggaact tcttatgggt atgtggaata taactagtta ctctgcagtg 120
 taatggatcg ggaaggagga tctatcgctg gatcttgata ctactcggag ctcgggatc 180
 gtaaggatgg ctcttactat gatattcgca ctgactagcg caaaatcgat atgaggtggg 240
 accc 244

<210> 37873

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945181H1

<400> 37873

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 tatgttactg ggcagcgcgt gctgtatgtt gacattgatg ttcaccatgg tgatggtgtt 120
 gagaggcctt ttacaccact gatagagtga tgacagtgtc tttccataag tttggggact 180
 ttttccctgg cacaggacac gtcaaggaca ttgggggtggg atcaggaaag aattatgcag 240

tcaa

244

<210> 37874
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945182H1

<400> 37874

ggatgaagaag gagaagtggg gagaaagcaa ggacaaaggg gtgttggtgg agataagtgg 60

tacttgata gctgcttaca agactgtaaa tattgggtgct gtttaataca cgagactagt 120

tctctttcga tgggcccttt tgagtgaaaa accttgctctt ctcagctttc tttcgagaga 180

tcttaaagac attgactaac aacaataaag tggatcaatc aaaagactta cttcttcttc 240

taac 244

<210> 37875
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945183H1

<400> 37875

catgcacagt tttgatcctc cttatgcaca taatgatgtc aaacctggta atgttctcat 60

aacacacaga aaaggacaac cacctcttgc catactgatg gatctttggca gtgctcgtcc 120

tgcaaggaag caaattagct ccaggtcaga ggccttcag ttgcaggatt gggcatctga 180

acattgctct gtccttttcg gagctcctga gcggtgggct tccccaagcc 230

<210> 37876
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945185H1

<400> 37876

cctgaaactt ggggtgcgatt cttcactca caacaacaac atctcactat ggctcttctg 60

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acacgctccc atcactgaac gcatcccat ccacagccac gcctacacca tatgccccgc 180
 caccgcctcc gtccgcttcc tctcccgccg gcgtttcgaa ggcggnccga gttcgtgatc 240
 tcga 244

<210> 37877
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945186H1
 <400> 37877

gtggcggcta aggttggtgt gcttcctctc tctccggtta gggaaagaaa cgcacttttt 60
 ggttttggtt ttggatttcg atctcactgc attgccttct gctactgcta gttgcatgat 120
 ggtgtgcaga actttgtagt tgatttgaat aaggcccttg ttttcaggt tgggcatctt 180
 ggagaagctt atgaagagtg gggtcaccag cccattgtca gcaaggaagg cccccgtttc 240
 t 241

<210> 37878
 <211> 65
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945187H1
 <400> 37878

tgaaggagta acagggatta tcatggttgc ctctaatacg caatacgctt gtcactctta 60
 cgcca 65

<210> 37879
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945188H1
 <400> 37879

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 taatgttcct tctggaaaca ggggaggtga attctctgct tctgcagggtg gacacggtgg 120

caaccttcaa ttgagaatgg ttctcaaaga aattttattc atcatggagc ttcctatgta 180
 gtgaaggatg atggtgcagt cagtagtata agcaaaggga aaccttccaa gaaaagtgtt 240
 gggc 244

<210> 37880
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945190H1

<400> 37880

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 attggacaag ctggaattca gtgacacctc tgttggcatt gcacacgatg ctttcaacac 120
 cttcttcagc gagaccggat tcggcaagca tgtgccaaagg gctttatttg ttgatttgga 180
 acctagtgtt attgatgaag taagaactgg tccttacaga caactctttc acctgagca 240
 at 242

<210> 37881
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945192H1

<400> 37881

acttctgctt tacatgaagt atccgcagaa gctagagatt ccaaagaaaa gctattggcc 60
 aaccatgtgg aacatgaaaa ctatgagacc cagattgaag atttaaagtt ggtcttaaag 120
 gcactaatga aaaatatgag tccatgctta atgatgcacg gcatgagatt gacactctta 180
 catgtagtgt tgaaaattct aagagcaaca tcgaaaactc caaggcagaa tgggagcaga 240
 gag 243

<210> 37882
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945157H1

<400> 37882

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 cgtcaccatt tataaatcct ttctgcttaa ctattgtgac gtacttctct tatatattcg 120
 ttgctagttt tgggtttgtt tctcaccacg tcatcggcta aggtttctct gtagcctgtg 180
 aaccatactg ggatttacca atgcttgctg ccagttgaca atatagtaaa gggacaattc 240
 cttgt 245

<210> 37883

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945121H1

<400> 37883

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 tgctgaagtt acttttcaca agttttaccc tcaattcaat cagttccatc cactgcactt 120
 cattactatc ccaattcagg tataatctca gaaaatgcaa cttgtttcttc gtttggaaac 180
 aacactgttg gaatcatcag ggcaccgcgc ggggatngca aggaagctat tgtcttggtg 240
 acgcctt 247

<210> 37884

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945122H1

<400> 37884

gtaaagaagg gtgacatgaa tctgcgcaag gatgtgaaat cagaagaagg tgagagaatg 60
 tgtcccatat ctgatggatt gccaaaatct gctgatgaac ttagggaaga ggagcaagca 120
 agaatgccga ttcaccatag actaagcttc ttaggaccat gggcaggcac cctgcatggt 180
 actctcctgc cctgaccat gaaacagatt gatgaatgat gattcccata cataactaagc 240
 tcaaaggga 249

<210> 37885
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945123H1

<400> 37885

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 ataattgaag cgtttgaagt tctgccaaag ctcgtgggtt tcgatctcga ttacactctc 120
 tggccttcta ctgtgagtgt cgatcgaagc gcgagattcc ttctctgtat cccacgcca 180
 aaggcatatt gttagctctc aaagagaaag gcacgcacat tgccatcgct tctcgctcgc 240
 caacggc 247

<210> 37886
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945124H1

<400> 37886

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 ggatattaaa gaatcaaaca gaaatgaaat agcacttttc tttgctaaaa aaaaaaaaaa 120
 aaaaaaacgg aaaaaggggg ccccccgcc taggggcccc ccccccggg gaattattcc 180
 gggctcggcc ccggcggggg ccccggttc cccaaagggg ggccgtttta ggccctgggg 240
 gaaccggggc c 251

<210> 37887
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945126H1

<400> 37887

tcttcatcca gggagggcaa atgtttccaa ggctgaactt aaggagaagc tagctaggat 60
 gtatgatgtg aaagacccta atactgtatt tgtcttcaaa ttccgaacac attttgagg 120

tggcaaacca ctggatttgg tttgatttat gacacagtgg aaaatgctaa aaagtatgag 180
 cccaaatata ggcttatcag gaacggcctt gacactaagg tagaaaagtc aaggaagcaa 240
 atgaagga 248

<210> 37888
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945129H1
 <400> 37888

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 ccaggaaagt tcacaagcag tggctcagtc caatccagtg tctacctatt gttcttaagg 120
 ggcttgtgag tatggtgtga tgtggatgtg gtggaattct cggatattgg tgcaccagag 180
 tcagttttcca aagagcaagc tgtacacaga gattgtagat gacttgcggt ggggcgat 238

<210> 37889
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945130H1
 <400> 37889

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 agcagcttct tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg 120
 cccatcagcc cagaagtggg aagggtgagc atgaggaaga ccgtcaccaa gcaggtctcc 180
 tcaggaagcc catggtacgg ccagaccga gtcaagtact tgggcccatt ctctggcgag 240
 cccccgtcc 249

<210> 37890
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945131H1
 <400> 37890

gtaaaactgt gccttcagtt tgtaaaccag tgaatctcaa gggcaataaa aaggcattga 60
 gtaataataa gatacgacag gcgagatctc gaaacagtaa gaatatccca tcaagtatac 120
 ctcttcgcgt tctactagga aggccaaatc cttgtatatg caaagtcaat tgaatggagg 180
 acataaaaaa ggaaaaaaga atgtgggacg taaaaaggga aagcaaggta aaaccaagaa 240
 ggtgattcct c 251

<210> 37891
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945132H1

<400> 37891
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 gggcaaccct aacaatgagg tcaactgttag gcagcttgct gaaatgctga ttcaggttta 120
 ctcaaaggta gtggagaaca aactgctgaa acacctacca ttgatgtgag ctcaaaagaa 180
 ttttatggtg agggatatga tgacagtgc aagagaatcc ctgacatgac cataataaac 240
 aagcagcttg gat 253

<210> 37892
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945133H1

<400> 37892
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 gttcaagggt attatgcttg ctggattcat tctcttgotg aaatgcagtc tttctagaaa 120
 gtttggtcac tgtcccttta ttggcggttac tatgctaact actggagcaa aagagacca 180
 attacgtgag aacaacagcc agaaggcca tcttcaacca atggaagagg ccatgaatca 240
 gaatccagaa g 251

<210> 37893
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945134H1

<400> 37893

gaaagagagg aaaaatgccg ctcaagttgg cgggaggagc cactgtcggg tcccttctcc 60
 tatgtgttgc tatttctctc ttccacatcg ctggggccga agatccctac aggttcttca 120
 actggaagtt acttatggtg acatttacc tcttggtgtt cgccaaacgg gaatattgat 180
 caacgggcaa ttcccagggtc cagatattca ttctgttacc aacgacaacc tcatcatcaa 240
 tgtcttc 247

<210> 37894

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700945136H1

<400> 37894

cgaacggcga acgttcgcaa gagacgcaac acaaagttga acgaggaata ggcgtgtagg 60
 gaaaccgttt cattttctag cgcgtgactt tcaaatacaa tcttccatac caatggcctt 120
 cagcacgtc tcagatctgc cgcgaacttg tcgcttcttc cgaatcctcc ctctctactt 180
 cagtgagcag agggttt 197

<210> 37895

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945139H1

<400> 37895

ttgtgaacca attttctgtg ggtggcttgg ctaggttctg cagagtaagt aattgtcttc 60
 tatatcagtc ctattggggc attttctctc tcttctctt ttgtcttttg gtagctaadc 120
 atcagctcaa tggcgcggtg atatacttga aaactttgtg ctgagatatt ctatatgttt 180
 tagttttgat aatatagaca aaatttttat gtaaagtatt atgaaacgtg gtgaaaattg 240
 gggttgg 247

<210> 37896
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945140H1

 <400> 37896

 agaggagctg ctccttcgtg cagctaaaaa agctggaatg gatttccatg agttgctgga 60
 tatccctcaa ggagatcgga ggaagtacca tgatgatgtt accgttatgg tggatcact 120
 cgaaggaaga atctggaaat catcagggaa gtatccgtga gatcttattc aactccctgt 180
 tgtctgtata catatttgag gtgccttgaa gccagtgcc aactttccaa cttgacccat 240
 ttttcatgg 249

<210> 37897
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945141H1

 <400> 37897

 atcagcttta cgtgaaactg ttgttgaagt gcctaattgtc agctgggaag acattggagg 60
 ccttgaaaat gtcaagcgtg aactgcaaga gactgtacaa tatccagttg agcaccaga 120
 aaagtttgag aagtttggtg tgtctccatc taaaggagta cttttctatg gtcctccagg 180
 atgtgggaaa actttgttag ccaaagcaat tgctaataa tgtcaagcta acttcatcag 240
 tgtgaaagg 249

<210> 37898
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945142H1

 <400> 37898

 catgtcgact cctatgttct gtctgagtcc agtctctttg tttatgccta caagatcatc 60
 atcaaaacct gtggtactac aaagctactg cttgcaatcc cacccatatt gaaatttgct 120

gaaatgcttt ccctcaatgt tagatctgtg aattacacca ggggaagttt catctttccc 180
 ggtgctcagc cctatcccca tcgcaacttt tctgaggaag ttgctattct tgatggctac 240
 tttggcaa 248

<210> 37899
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945143H1
 <400> 37899

aaccccccaa aaagcacaag cctggtaaaa caccaaagac acccaaaaca cccgttggtta 60
 agccaccagt caccatccct cccattaatg ttcctcccg tgttcttcca ccaatagtga 120
 agccccaggt attctccctc caattccaat tattaacca ccaaccacac caggggaagg 180
 aggggaacact ccatgcccac caccaaagtc tctgcgag gctacgtgcc ccattgacac 240
 gctcaa 246

<210> 37900
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945144H1
 <400> 37900

caagaagata aaaccgacac aaagatctag tcctagctag aatcaaacag gggcgatctc 60
 accttcaaga acacatcgcc atggcaagga acttgcttct tgtgcttttt gcagtagcca 120
 ccctctccat ggctcagcag cccaaccag acacatggtc ggtgatgcca cgggctggat 180
 catccctgct ggcggcgctg ccacctacac cgcctgggct tccaacaaaa cctt 234

<210> 37901
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945145H1
 <400> 37901

cgaacggcga acgttcgcaa gagacgcaac acaaagttga acgaggaata ggcgtgtagg 60
gaaaccgttt cattttcaag cgcgtagactt tcaaatacaa tcttccatac caatggcctt 120
cagcacgctc tcagatctgc cgcaagttg tcgcttcttc cgaatcctcc ctctctaact 180
cagtgagcag aggttttcat tcaactggca tgaagaggat gggaggtgga catggccatg 240
atgag 245

<210> 37902
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700945146H1

<400> 37902
cggcaaggca aatctgcatt gcgatggcgc ctccgaagct ctctgtcttt gcgctttctg 60
taaccctaata ttctgccatc gatggggccg acgccgatat ttccatcgaa ggaatgcact 120
tgcagacctg atacctccga catcatgatc caattagatc aactcaattc cacgatccaa 180
attctctcag tctcaaatca gcgataagtt ggcacgaagt accgaagaag 230

<210> 37903
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700945147H1

<400> 37903
agcctatcta ccatatcggg tgtgcttctc cttatgcgaa attaggatta cgggtatcat 60
ctatctatgt atctatcttg ttccacgctt cacagatgat aatacatggc tacacaaata 120
cgcaccttgc gggttcccga accctatcct tacagcagag gctacgtaaa gtccgtgggc 180
gaggccacgg tgaacctgga gaaggataac actttcttct ccaagttgga ccaagagtcg 240
aagccggt 248

<210> 37904
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700945148H1

<400> 37904

gttcagacag cactctccct ctccctgaac cgcacccaag ccaccaaacc cttcgtggct 60
 aactgcaaca aattcagagg cctgaaaccc agagagcacg ctgcgctcaa ggactgcgcc 120
 gaggaatatag cgacagcgtt gaccgcctca gccggtcgct gaaggagctc aagctatgta 180
 aggttaaggg tgaggacttc acgtggcaca ttagcaacgt ggagacatgg gtcagttctg 240
 ctttgaccga tg 252

<210> 37905

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700945151H1

<400> 37905

cgaaatatgg cttcaactca tctgcttccc ctagcaacct tcttcttact tctctccgct 60
 tcttatctcc agattgctgg ggcggaagca caaccgttga ctagtctcaa gcttaactct 120
 catatcttca ggagtctact gctaaagaga ttaatgaaaa tcccaggagca ggatgggagg 180
 ctgctataaa tctcgttttc tccaattata cagttgaaca atttaagcgc cttcttggag 240
 tca 243

<210> 37906

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700945153H1

<400> 37906

gcagaaacca gagaacattc cgcccgaaaa aaagtactcc ttctggaagt aaggagagctc 60
 aacttcgaaa acatattgat gccacgttag gtatgggaaa tctgagggaa gcagtaaagc 120
 tacctcctgg ggaggattta aatgagtggc tagctgtcaa cactgttgat ttcttcaatc 180
 aggtgaatct tgctttatgg tacccttaca gagttctgta ctctgagaa ttgtcggaca 240
 atgtctgc 248

<210> 37907
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945120H1

<400> 37907

caagaggaag catcaagcat atcattttac aacacaaaaa acagacaaaa caaaaccccc 60
 aaaccccaaa ctcatcattc atcataattg tttgttgctc gaaagaacaa tgctccacat 120
 cacctgcac ttttaatgtg ctttctaagt tctttctcac cccaatcaa cgctcttctc 180
 aacctcactt taccacacca acacctcac ccgaatccg tcgtccacga tctccaacgg 240
 aaggtgaatg 250

<210> 37908
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945156H1

<400> 37908

gctcgagcgg ctcgaggctt ttcactgctc ctggtgttct tcaatatctc agtgggtgtca 60
 tctcttttga ggaaaccctc taccagagca cagctgcagg caagcccttt gtgaatgtct 120
 tgaaggagct ggtgtgcttc ctggcatcaa ggttgacaag ggcacagtcg agcttgctgg 180
 actcaatgga gaaaccacca ctcagggctc agatggcctt ggtcagcgtt gtgccaagta 240
 ctacga 246

<210> 37909
 <211> 131
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945084H1

<400> 37909

caatcttctc ttctcacaca atctctgttg aacaacgcta gagaataata tctcaagtat 60
 catgtgatga gatgaaccaa gcacaacaac ttcaagaagc ttgaagtttg aactgtctca 120

aacatgttct c

131

<210> 37910

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700945085H1

<400> 37910

caaaaaacac agtaaatagt aaatataaat accaacgctg gcgtgatggt agtttagggc 60

ggatgtactg ctactctcga ggattggggg ctcgagctc gtatcactct tcagttctcg 120

ttgttatgct tcgcttgctg ggactagggt tttcagtttc gattcattcg gtaataatta 180

gagatgtttg ggagggcacc gaagaagagc gataatacga 220

<210> 37911

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945086H1

<400> 37911

atttctcaaa tcggaatctt tcaactccacc gctctaatacc ctaattccga tcaacgcttt 60

tgctttcgtc gctcgccagt ttgttagcgg gagctcagtt attctgtttt attgacgaag 120

tgataacaaa tggatgatgg gaggatgagc atattgcccc tattgatctt acattgaaag 180

atccagttaa aagtaattgg gatgatgaag atgtggatga caatgatgtg aaggaatcat 240

gggaggatga agacgagcct gctccgg 267

<210> 37912

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945087H1

<400> 37912

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gagcattggt gatgactggg actgcctgaa acccatgggc aggacttttg agacacattg 120

tggatccttg tctcaatcgg gatgaacaac atgaggtgct ttgcagacat ctgcaatgtc 180
 gggataaaga atgaacaaat ggctgaggct tccagcacga gcttgtgtca gtgttcctta 240
 caatccctgg agttctctag caaggg 266

<210> 37913
 <211> 56
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945088H1

<400> 37913

cgacgacgct tcattcatta ggctaagaga atatcttcat cttccacaca acatac 56

<210> 37914
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945089H1

<400> 37914

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 tgatgcttca agggagtcta ctaatgggtg gacaactaaa ttcacatgat catttcaaag 120
 actggagact tgatgtgata acatgtccta tgagcaattg ctagagcttg gtgagagaat 180
 tggatcatgtg aacactgggc ttaaggaaga tgagatggga cggaacataa ggaagactag 240
 gcttcaattt tgggatgata catca 265

<210> 37915
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945090H1

<400> 37915

cgcaagggag agatagaaga ggcagaggaa attttgaggc agtccaaaac tttggaagcc 60
 caaatagaag attttgctaa ccagaacaag tacttgtcac ttaatgtttc catggatgaa 120
 caatctgttc tgtctaataca tcagtcttcc aggaaaggct tgggagtttg ggagttgcta 180

ctgaagttga taatgcttca gcctcatctg tggtttggtc aagtaagaat agttctgaat 240
caacattggg ttagaaagaa t 261

<210> 37916
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945091H1

<400> 37916

ggagaacaca cattctcagc agggttgttc tcattcaaac cattacaaaa gcccaacgtt 60
tgtaacaaaa atcaaaaatga attttctcca aatacatacc catcgaaacc taccacagat 120
aagactacag tgttcaaacc aatccaacaa ccaaaagtgc agacaactct aaatcagcta 180
acaaaaatth agctgaagat ttcttttttc caccaaacc agcttcacg gcancattgg 240
tccccaaccc atttcagcct c 261

<210> 37917
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700945092H1

<400> 37917

caaaagggag aagaaaagga aagaaaactc tcaaaaaact attatagcaa tggcagaaca 60
aaacaaaaac caaacaactg aagctggaag gcaccaagag gttggtcaca agagccttct 120
ccagagtgat gctcttacca gtatattctg gagacaagtg tctaccaag agaactgaa 180
tccatgaaag aactgagaga gttgacagca aaacaccat ggaacatcat gacaacctct 240
gcagacgaag ggcagttctt gaa 263

<210> 37918
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700945093H1

<400> 37918

cacacctact gccaccactt cctgcttagt gcgaaagcca tttcagcaca ttaaattggca 60
gttcacggtg acgatgaccc tgtggtgatg gtggttccca acctctcccc gcccaacacc 120
tacgaagctg tcgtcacggt ggcaccttcg accgattgca caatggccac cgctctttcc 180
tcactgcttc agcggagttg gctaggtgcc ggattgtaat tggagtttgt gacggaccta 240
tgctggcaaa aaaacagttt g 261

<210> 37919
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700945095H1

<400> 37919

cattaatgtg tgtttgtcac gagaccata gtgctgcaa attatagtaa ctctctttct 60
ctatctgaag aagaagaagt tctgaagaag catgtgtgga ggtgctatca tctcagactt 120
cattggtgtg aagcgtgccg caacctcgcc gcgcaggaac tgtggtccga gcttgaccct 180
ttctctgacc tccttggtt cgataccacc accaccacca ccaaccaacc accccataca 240
gaca 244

<210> 37920
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 700945096H1

<400> 37920

gaaacccttc ttccattacc ggcgaacgac atcggtgaca gaaaagcaac aagcaatctc 60
gatcccaaaa tcgtgaaatc cgatgacgac cgctgcaaga cccacctggg catctgctag 120
aggttgcaac gaacaagtgg tactcgaatt ttcggtcctt caaaaagta ctcttctagg 180
gacatc 186

<210> 37921
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700945102H1

<400> 37921

gattcctcgt cttegtcgga ttccgacaac gacaaaacca gcgccactga ttccttcaag 60
totaatgttt tcaggctttt cggcagagaa aagcccatc atcatgttct tggcggtgga 120
aaaccggctg atgtttttct atggagaaac aagaagatat ccgcatcgac actcggagtt 180
gcgaccgcta tatgggttct gtttgaattg cttgagtacc acctcctgac tttggtttgc 240
cacttctga tcct 254

<210> 37922

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700945103H1

<400> 37922

ttcgagcgaa tcggctcgag ctgctgtaca tattttaagt gattcgcaca agcagggatg 60
atggatcatt gttggcgagg atttcgtctt ttggatagtt tggctaacca gccgttttat 120
ttagaggggtg ggatgaggat cactgattaa atgaacaaag tctgtaaaat tagctagttt 180
caattcgtaa gaactatttc atctttctta agcctgttat aaacatctca aggttttct 239

<210> 37923

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700945105H1

<400> 37923

atcatatttg cctggcaagg tgaggaaggt tggtagggtt gcaagggcga tagcatcatg 60
agccacccaa tccccagcac tgatgattcc cattcagtgc aaattatttt accacagaaa 120
cagttgggtg gaagtcagac atgtacctat tttgtgttc gtatactcac aatgttgctc 180
caaagggaaa atttattgca tttgtatcaa ctgaggcaga gacagatcag ccggcaattg 240
aactgaaa 248

<210> 37924
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945106H1

<400> 37924

aaggcaagtg gcgagtgagg aatgcagaga aatgagaatt cgtcattggc tgagtccttc 60
 tgaggcaggt ggccctgcc aacgcagaag ctccggcaga aattgccacc gcaaacacgt 120
 cgaagaggggt agtaatagca ctcggtttca ttctcccaca ttcccaattc tgagcggttaa 180
 gatgagttag aaagagaaaag gcaataatag tgagggacag tcgacgttgc tgcacggcaa 240
 gtacgagctt gg 252

<210> 37925
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945107H1

<400> 37925

gtgacgtgcc ctagcccat atctagtctc cctctctcaa tctcacatct ctgctcgcca 60
 ccgcccgcgc gcacggaggc acccacggaa ccaatctagc catcagttga aacagtgagc 120
 ttacaaaaaa tgcaactgca cctgcacaaa ttcctacaag ctttggccat gagttgaggg 180
 cttgtcttcg ttgccgcctt gtcaaaacct atgatcagtt cagagagtca ggctgtgaga 240
 actgctcatt ct 252

<210> 37926
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945108H1

<400> 37926

cttcacttgc atttggttac atgctggggt tattcatttg ctagctaata tgttgagtct 60
 ggtcttcatt ggcattcgcc ttgaacagca attcggattt attaagattg gaatcatata 120
 cttggtgtcg ggtttggtgg aagtgtactg tcgtctctat ttatcagaga ccacatctct 180

gttgggtgctt ctgggtgccct ttttggactt cttggcgcaa tgctgtctga acttatcaca 240
aactggact 249

<210> 37927
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700945109H1

<400> 37927

ctcagagagt cttcccgctct cttcctcttc acttcttata tcgtcgcccc caaacgacgc 60
cgttttctgt tctcttatgt aaacgcggtt cgagaacaaa ccaaaaaaag aaaagaaaat 120
cagttattgc cttgttggtt tgtttccggt tcggtttatt tcaatggatc gggcggcggt 180
gacggttgga ccgggcatgg acatgccgat catgcacgac agcgaccgtt acgatctggt 240
acgcgacatc 250

<210> 37928
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700945110H1

<400> 37928

agctcggaat cggctcagtc cagcgaatcg gctcgaggct tgttcaacat cataggcaac 60
ttgctcttcc cttactcgc attcgcgggc ctgtacttcc tcttccgcag agcccaaggc 120
gggcccggcg ggcattggcg gctgggaggg cccatggact tcgggcggaa caagtccaag 180
ttccaggaag tccccgagac cggcgtgagc ttcgctgacg tggcaggcgc ggaccaagcg 240
aagcttgaat tacaagaggt tgttgat 267

<210> 37929
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700945112H1

<400> 37929

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gagctatggg tatgactctg tacaaaggcc ctgccttcca aatcataaag ggtggaggag 120
ccatgagcca catagcaact ctagcagtac cagtaccacc gaaccctctg accagcactg 180
gatagttgga actgtttatc tcatatcaag ttgtgctagt tgggctggct tcttcatttt 240
gcaatcattc a 251

<210> 37930
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945113H1

<400> 37930
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gttctaaggg gacacctagt ttccatgggt gagctaggca aactcatact aactcaccac 120
ccttcacttt ccatcactat cctcatcctc actccaacca ccacctcttc caccaccagc 180
gtcaagcana actctaatagc tcgatacatc gccancgtca cagccacggg ncccgccatc 240
acattccacc 250

<210> 37931
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700945114H1

<400> 37931
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atatcagttc tgttgtcgca gttttgagtg gtgctagtag tttgctcggt aatgaatatc 120
atgaagcttg cagcacaaaa ctagagagcc aaaccttggt gcaaagttgt tctttgggtg 180
tgttggcgtg caaaaaacag ggaccgaaat tgcaacagct ttgaataata tggatgtag 240
cagtgaata 249

<210> 37932

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945116H1

<400> 37932

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 caccctctga gttttgctcc tatttggtcc ttcaaactct cgtccacacc aggggcactt 120
 acagttaccg gaattcagtt gtttcggctt ttattaggat aaacgaagca tgtcacgatt 180
 ctaaagctcg aaactttcaa tctttgaagg ttaaggctgc ggatgataat ccaagcacca 240
 aaacaaagag tattg 255

<210> 37933
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945118H1

<400> 37933

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 cctcctttat gttgatgggt actactacta tatatgccag tccccattca tatttatatgg 180
 ttcttcaact ttattagtcc ttgcacgaca ttggatctat gtaaccaag atggcataat 240
 gggaagatat a 251

<210> 37934
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945083H1

<400> 37934

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 tgttgtcctt cttcaaatac cgtaaaacct tcaagcatcc accacttcca cagaacat 118

<210> 37935

<211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945119H1

 <400> 37935

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 gcggtcaccg gattccggtt ggatcggaga aaacttcgat acaagtcagt gcttttcctt 120
 ccgttgtctg ccggaatttc ttacctagg aagctacgac aatgcgtccc gctccgagct 180
 tctcaagact caggggattt ctctatcct caatactggt ccttcttgtc aaaatctcta 240
 caagaact 248

<210> 37936
 <211> 144
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945052H1

 <400> 37936

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 cagatttcct taccggtttg gtcagtgtaa gctaccaact tggctattta aagtgttatg 120
 tgtaattgct ttaattaact tatg 144

<210> 37937
 <211> 225
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945053H1

 <400> 37937

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 tctatctatc aatcgatata tccgagttca gccgaaccaa actccgaagc tatggcagag 120
 ctccaaacca aggttgaacc tgtacggtcc cggctccggt ggatcccagag ccaccgctag 180
 ctgaggctcc gccgctcgag aagaaagcgg tggcgggtgcc acaac 225

<210> 37938

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945054H1

<400> 37938

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 aattagacga tcatgagaac caagattgtt ctcttcttct ggaatctcct ctgctcgtag 120
 tgtccagtat tgatcattaa tgtttcaatc aagagacagc tcaaaaccaa atgcaaattc 180
 aaaactttgg ggaacctttt tttctggtta tacatgaagg tgaaactctt gacgaaatta 240
 aagtgcgaat acaaaaactaa cttcaagttc ctg 273

<210> 37939
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945057H1

<400> 37939

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 atcaatacag tgtttcctta ctggacttgt aattagaagt ttgagtatca gtacctctaa 120
 ctggagatgt aagaagcctc tggggattac ctactgaaa ggaatatcat gggaatttat 180
 gatgttgata ctctgcaat caccggcgga ttgcggcaag atggcagtct tattggtgtt 240
 ttgagcactg acaattccaa aaaggatgag ga 272

<210> 37940
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945058H1

<400> 37940

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 catggccgcc gccgtgacag atatggcccc ccgccacacg attagccaaa tactggtgga 120
 cctcctcaag tttgccgtcg gtccgccatc gacggctctc gcaaaatcat ccctggtagg 180

caaacctctt tcgattgctg attgcaaaga ttgccaaaaa tgagtgaaga taagatgtta 60
 tatatataac caagcgtgat gtgtttatta ctttattgag tgttttgaca tggaagaggg 120
 aaaaaaaaaa aagaaggaat aataataaag gcgattgtaa cccgaaggaa agtttgattt 180
 tgaagatata tatggaaagc atcttcaatt tgcttgtttt ttgactgtat atttggtggg 240
 ttttgaatga gaataaataa tgg 263

<210> 37944
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945062H1

<400> 37944

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 tcttctggcg gaggtggggc ccatggctga ggctgtgaca tgcaccccaa cagagttgat 120
 gtccgtgtct tccagcaatc attccggtgc taaaccttcc aatgcttggt gcacgaagct 180
 gaagcagcaa aaaccatgct tatgtggcta cctcaaaaac gctagcttga agcagtatgt 240
 taactctcct aatgccccgaa aaaccgttgc 270

<210> 37945
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945064H1

<400> 37945

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 atatagtaca attacttgta gattaattaa agggatatggg acaggatttt ctgtaaatta 120
 aaaagtgaat ggttggttgt taaggagaga aaagaataac tgaagagcaa agaattcaat 180
 tcaaagattt gcttggttca aaaactaaat ttgtttaatg tgtctaattg tattggtg 238

<210> 37946
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945065H1

<400> 37946

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 aagcttggag gtattgacaa gcgtgtgatt gagaggttcg agaaggaggc tgctgagatg 120
 aacaagaggt cattcaagta tcctgggtgc ttgacaagct caaggctgag cgcgaaagag 180
 gaattaccat tgatattgct tcgtggaagt ttgaaaccac caagtactac tgcacagtca 240
 tcgatgcccc cggacatc 258

<210> 37947

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700945066H1

<400> 37947

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 aaagcactag aagcttcatg ccctgggtgtg gtctcttggt ctgacatcct tgctctggca 120
 gcaaggacgc agtttttctt caggcggacc tacatgggat gttcccaaag gaagaaagga 180
 tggtagaaca tctaaagccc gtgaaaccag acaattgc 218

<210> 37948

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945067H1

<400> 37948

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 gtggcaagcg tatgtggatg atcacctact gtgtgaaatc gaaggtaacc acctcactca 120
 cgccgctatc atcggccaag cggaagcgtt tgggctcaga gcaccaactt ccctcagttc 180
 aaacctgagg aaataactgc catcaataat gactttaatg agcctggatc acttgctcca 240
 actggatggg atatcggtgg caccaaat 268

<210> 37949
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945070H1

<400> 37949

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 cangtcttca acagagagaa agagaaggaa gaacacacac acacacacac acacgttaaa 120
 ctaacatttt ttattagtaa gagacatggc tcaaccagc tccaacgggg atctgaataa 180
 taaccagcag ggtcagggtc agcaacagca gcagcagtgg gcggcggcgc acgaatactg 240
 tatcagcaac agtgggtggc catgca 266

<210> 37950
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945071H1

<400> 37950

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 agagccttct gtaagggag aattggtaaa taatttctgc aatagggagc ttacatcgta 120
 tgagcaaatt tttgaaggag tgaacttgca aagttggtta aaactgaacg aagatatgca 180
 tggattaagc gccgaatgag atcaaatgaa gaaatttggg 220

<210> 37951
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945072H1

<400> 37951

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 tttgttcggc cagttagtgt ggcctttcag gtggtgaatg ggttccattt ctacgagaat 120
 ggagttttca ctagtgcac tgtggtagca cttccagga tgtgaaccat gccgttcttg 180

ctgttggata tggagttgaa aatggtgtcc catattggct cataaaaaat tcatggggag 240
 aaagctgggg tgaaaatggc tacttcaa 268

<210> 37952
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945073H1
 <400> 37952

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 ggataaagaa agtagtggtg atagagtgtc aaaccgtact gaaagacaaa atgaggggtca 120
 tcgagttctt atggattttg gtggaactac ttttctcata aagacacagt tcaatttggc 180
 cagaggcgtg ttcttattag tgacaaaacg cccttgtact ttcaacatga tgggcattca 240
 agaacaatag ttggaattca agtccaatat 270

<210> 37953
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945074H1
 <400> 37953

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 gtgtagtagt tcttctccaa tggtgattt aggttcagcc tcttccaaga gaatgtggtg 120
 ttccgttcca gaaagaatca gcttcacttg gccatgttgg ccttgcagtt tggctatgct 180
 ggattccatg ttgtctcaag agctgcactt aacatgggag ttagcaagct tgttttccca 240
 gtctatcgga acatcattgc cttgcttc 268

<210> 37954
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945076H1
 <400> 37954

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 aagcttgacg aactaggggtg tgttagttca cacaaccaag ctgctaaaac ctttaaccta 120
 cagctacatg ctctctgact aaattgcagg gccaatatcc agattcaaat gtcacatacg 180
 ttgatatctt cactataaaa tcaaacctca tttcaaactt ttctagatac gggtttgaac 240
 acctattatg gcttgttgtg gatacg 266

<210> 37955
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945077H1

<400> 37955
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 tttaccgtat tctccaagct tcattttttt gtcctgcga cttgtggggg aaaacaaaca 120
 aaaacagcac cgatagcaaa atgggttgata gtaagatctc tgcagtatat aatcaattta 180
 tgtacagggt tttcgcttct attattagtt agttagatat ttattcacat attgtaacaa 240
 ttggatgtaa ttattaaata ttattttt 267

<210> 37956
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945078H1

<400> 37956
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 aacgtccttc ttgatgactt cgggcacttc attcatatgt atttggtgaa aggactatag 180
 tcagttcact catctcacag actttggatc agttgaagag atgctcttca ttgaccaaaa 240
 aatatcacca tcagcttcaa ggttttatca 270

<210> 37957
 <211> 269
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945079H1

<400> 37957

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gcatttcattg ctttgcagcc cctcaaagtt cctgcattca gttttgcatg gcttgagttg 120
attagtcaca ggagcttatg ccaaaaatgt tgactggtaa tggtcaaaaa ggttggcctt 180
atatccaaag gttgcttgta gatctgttcc aatttatgga gccttttctg aggcatgctg 240
aacttggaga accggttcgt gtcctctat 269

<210> 37958

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945080H1

<400> 37958

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aaaccatgcc aagtcttact atattccatc ttcacagaa caggggttgg actttctacc 180
ctggttattg gtctctcagt tccctttttt ggtctggtga tgcattgat tggatcatta 240
ctcacaatgc ttgttacttt gatactac 268

<210> 37959

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945082H1

<400> 37959

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gataaagaaa gtagtggtga tagagtgcta aacagtactg aaagacaaaa tgagggtcat 120
cgagttctta tggatttgtg tggaactact tttctcataa agacacagtt caatttggcc 180
agaggcgtgt tcttattagt gacaaaacgc ccttgactt tcaacatgat gggcattcaa 240

gaacaatagt tggaattcaa gtcaaa

266

<210> 37960

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945051H1

<400> 37960

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tattattagt gtccctctgt gtgaccacca ccaccaacgc cctaatagcca tacacacgta 120

gcagcaccct ctgggacacg atgtctcatc agaggaccgc ttcagaatcc tggaacacac 180

cccattcagc gacattccca cgaccacca aggggtggac gatctcgccc tggcacgtgc 240

ggactg 246

<210> 37961

<211> 279

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945024H1

<400> 37961

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atcataatac tgaggatggg gtggatatct ggttgtgagg ttagaatgtc tgggtggcata 180

cgaccctcg nttngnat canttggggc gctggaggga naacgggtga tcttacattg 240

gaaattgnca acaagatgca gaacattgtc tgtgtgaga 279

<210> 37962

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945025H1

<400> 37962

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cacctgaaaa ctctaaccga ccatgaaaac gcggtgtcgt gcgtgaagtt ctcgaaacgat 120
 ggaaccctcc tagcctcggc ctccctgaca aaaccctaata catatgggtcc tccgccaccc 180
 tcaccctctg ccaccgcctc gtggggccact ccgagggcat ctccgaccta gcctgggtcct 240
 ccgactccca ctacatctgc tccgcctccg acg 273

<210> 37963
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945026H1

<400> 37963
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 gagggactct cctcttaaga tcatgacttt gggttgagtt ctggtgagga attcactgac 180
 ccagttgttg gtttgtttgg atccattgat tacgtttcac cagaggctct ttctcaaggg 240
 aagataacta ccaagagtga catgtggtct ctgggg 276

<210> 37964
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945027H1

<400> 37964
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 tccttcgtct tctgaataat ccagaactct ttctgccctt ttctccgtca cgcttttcgt 120
 gaccggatct gtatggattt gatccagatc acacgccgat ggtgggtttg gccgggtcctt 180
 tcatagatct ggtgcgtaga ggctcagatc tacggtaccg aggtacaaca gagaatcgat 240
 gacaagaacg cagatccgac ggtagatcca gccgattcc 279

<210> 37965
 <211> 273
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945028H1

<400> 37965

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 aaaaggactt gcttatcttc attcagttct tgtcttgaa ttctattgt tcatagagat 180
 ttcaaatcca ccaatgttct tctagatgcc aaatttgaag caaagatata tgattttggg 240
 cttgccaaac taatgtcaga aggacaggag aca 273

<210> 37966

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700945029H1

<400> 37966

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 ctacgatgtg ttctcaact tcagaggggt agacacacgc tatggtttca cgggaatct 120
 ctacagggt ctttctgaca agggattcgt accttctttg acgaagagaa gtttcacagc 180
 ggagaggaaa taacacctgc acttttgaag gcaattaaag attccagaat tgccatcact 240
 gtgctctctg aagactttgc ttcttctca ttttgctt 278

<210> 37967

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700945030H1

<400> 37967

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 tcatttgatc tcaacctctc ttctcccaa aatgccgtcc ccaccgttc cacacaacat 120
 a 121

<210> 37968

<211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945031H1

<400> 37968

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 acgtgaagta cacagagact gagatcagtc cgtgtacaac tatgaaacca ctgaacttgt 180
 tcacgagaac aataatggca cttatcagtg ggttgtaag cccaaaactg tcaaatatga 240
 atttaaaacc aacacccatg tccctaaact aggggta 277

<210> 37969
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945032H1

<400> 37969

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 tcaaccatgc ctgcgcgtag ctccgggtga agatctgccc gtccctgctcc tcgggcagct 120
 cctcgtcctg ctccagttca ccatgccctc ctccagcccc tgctcagagt ggtggtggat 180
 ctatgcttgg tggcatttgt tcaaccatag ctcaaggtat ggcttttggc accggaagtg 240
 cagtggcaca cagggtgtg gatgcagtca tgggtcctcg t 281

<210> 37970
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945033H1

<400> 37970

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 taattttggg tcatagaact gtgtatagag gcagcaaata agaagagttt atgaggaaat 180

ttaccaggag gatcttgtga agcgcctaga gtctgagatc aaaggagact ttgagaaagc 240
cgtgtaccga tggatactgg aacctgcaga tcgtgatg 278

<210> 37971
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700945034H1

<400> 37971

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gaccaacaga ggcttatctt tgccgggaaa cagcttgaag atggaagaac ccttgctgac 120
tataacatcc agaaggaatc taccgcact tgggtgttgcg gcttcgtggt ggcatgcaaa 180
tctttgttaa gactttgact ggaaaaacca taactttgga gggtgaaagt tctgatacca 240
ttgataatgt gaaggcaaag attcaggaca aggagggc 278

<210> 37972
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700945035H1

<400> 37972

cattgataaa ggtgttgctg ctgctgcaaa agttgtccgt aaggcgtatc cacaagaaaa 60
ggttggtgtg tttgtaagac gaggtaaagg tggtcctctt actgtagttg aatacagtga 120
gttgaccag tctactagctt ctgcatcaat caagcaactg gccgtcttcg tttttgttgg 180
agtaatgtct gcttacacat gttcactctg gattttctga accaagtggc aaattggctt 240
gaaaaaagac ag 252

<210> 37973
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700945037H1

<400> 37973

tagttcattc tctttgcgca gttccctacc tctcctttca tgatgcagat tctcgtcaag 60
accctcaccg gaataaccat cacccttgag gtggaaagct ctgacaccat cgacaacgtc 120
aaggccaaga tccatgacaa ggaagaattc ccccgatca gcaacgtctc atcttcg 177

<210> 37974
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700945038H1

<400> 37974

ctacggcgtg caattttcca tagtgattcc cactgtttcg gagctctttg gtttgaaaga 60
cttcgggtcta ttgagcaact tcatggcttt ggggaaccca cttgggtgcat ttctttttctc 120
tgctcttcta gcaggacata tatagacaat gaggcagcaa aacaacacgg tgtaggcctc 180
attgcttcaa gtgttgcatt catgggtcca aattgtttca agctaacttt ttttactctg 240
gctggtgtct gtattgcgga accatctcca gcat 274

<210> 37975
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700945039H1

<400> 37975

agcttaaaga atatattgag aaatgggagg gtccagtggg agcaccatca cgccacaacc 60
tcaagctttt tgctgacaag gagacatatg aatcaatgga tgcattagca aagcttcaaa 120
acaagactgc tcatcagttg gccatgaagt tatccgtaat tatgttgctt ccaacaaaaa 180
tggaagaggc gaatgatttc atttttactt aacgaaggaa gatgtatgtg atgttgcttt 240
atggttgaca ggaatggtgg ataggcaact gaacac 276

<210> 37976
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700945040H1

<400> 37976

ctcttctctg ttctccatta ttctatgtat gattggttgt ttaaaaaccc ttctagctta 60
 ttatacatga atcatgaatt gccacctaaa tagatataat tggatgtttc acagacaaaa 120
 gatgtactca aagacaagtt ctatacaaga ctaaagtaag taacatggta tagtatatat 180
 accaaatagt atgtaaattt cgacagtatg taaatttctt atttcaaatt tggtagacca 240
 tttttcttta tgtctaggct tcacgaaggt ctccacc 277

<210> 37977

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945041H1

<400> 37977

caaagttgaa gtcttcaagc acttagtttc ttaaagttaa ctctttaag gttcattcac 60
 aatcttctca gagagaaaga gagtgatcca ttcgttctga tcatttgggg tgtcagaaac 120
 gttcacattc acatctgggt ctgagttgtg aattcagcaa cttcatctg gtgccactaa 180
 caaagtgacc ctttggataa gaatccaaaa gggatctctga ggatctcaca aatttgttga 240
 atttctctgg ttctatgttg cataaggtgt gcaag 275

<210> 37978

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945042H1

<400> 37978

tgtagatgta ttagctaaat ggattgcaga taaatcacia gtctatactc aacatgctta 60
 tatgagacca ctcgagtag ttgctatggt tttgggtatt gatgatgaat atggacctca 120
 gctatacaaa tgtgatccag ctgtcattac tttggtcaca aggcaacaag tgctggattg 180
 aaggaccaag aggcaattaa tttcttggaa aagaagatga agaatgaccc ttcatttaca 240
 tatgaggaga cggttcagac tgccatttct gccc 274

<210> 37979

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945043H1

<400> 37979

cgggcgcacc ctcgccgact acaacatcca gaaggaatca accctttccc tcgtcctccg 60
 tctccgtggt ggcatgcaga tcttcgttaa gaccctcacc ggcaagacta taaccctaga 120
 agtcgagagc tccgacacca tcacaacgtc aaggctaaga tccaggacaa ggaggggtatc 180
 cccccagacc agcagatgct gatcttcgcc ggcaagcagc tcgaggacgg acgtaccctt 240
 gctgactaca acatccagaa ggagtcaact ctc 273

<210> 37980
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945044H1

<400> 37980

acataatcta tgaaatgggc tatgcgacta agagttgttc tacatcttgc acaagctcta 60
 gagtattgca caagcaaagg gcggtgctctc tatcatgacc ttaatgcata tagagttctt 120
 tttgatgagg atggtaatcc tagctttcga gttttggtct tatgaaaaat agcaggggatg 180
 ggaaaagtta tagcacaaat ttggcattta cccctccaga gtatctcaga actgggagag 240
 taacaccaga aagtgtata tatagttttg gca 273

<210> 37981
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945045H1

<400> 37981

caaacaacaa ggttggttca acttgtgtga agggattgga acatggaaaa tcttggtggt 60
 tctagtcgta ggaaagcaat tgaggagctt cttagagggc gtgattctgc ccaacaactt 120
 aagagtgtca tcaatgggac tatgatgatg gatcagccac cccatttgct caacaacttg 180

tgaaagaggt gctcatgtcc ttcacaaact ccctcttggt cttgcacaac aaccccaact 240

ctgaatcaca tcatgtcttc aatgttcaag ta 272

<210> 37982

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945049H1

<400> 37982

gagcttgtgt ttttctgac ccttatctta attaatTTaa tcaccaatgg ctcgttctat 60

cgctaacgcc aagactttct cgcctctcgt gctagacgga ttctccaaca ctctcaccag 120

acgtggctac tctcaaagcg caaaagggga ggagttgcct ccatagcacc caaatcaggg 180

gaagacaaag gtgtctcatc atacaaggtt tcctgggtgc cagatcccgt caccggttac 240

tacaaaccgg aaaacatcaa ggaggttcat gtt 273

<210> 37983

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700945050H1

<400> 37983

atgatgcttg taggcgatga tccatggcag gaattctgtg ccatgggtcg caaaatttat 60

atctacccta aagaggagat ccagaaaatg agcccaggta ccttgagctc gaaaaatgaa 120

gagaatcatt cggtgacggc taggaaggtg cagatacaaa agatgttaaa tgtcagccgc 180

atcaaaagtt caattcagaa aatggtcttg acg 213

<210> 37984

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945023H1

<400> 37984

ggtggccata tgctgaggca tttcttcgat gattggccac gatcactgca agactctgac 60

aacgttgaaa acaatgctgc tggccctagc ctctctatct caatgcccgg aaatgctgct 120
gctgcttcct cggatgtgtc attgaaatgt ccacgggcta tggagaggac ccaggcccaa 180
gaaatgagaa tgtgggcctc gtggcagagc agctgcagtt gaattgggccc ggaggatggg 240
cctcgtctaa tcaagtggct tccatgggag gaccac 276

<210> 37985
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700944991H1

<400> 37985

aacggtcata aaaaatggaa gaattatggg aagcttgaca ggaataccaa ctgataaaat 60
tgctgacaaa ttttggttag tcttccaagc acttggtgac attgcctttg cctatccata 120
ctccattctc cttcttgaga tccaggacac tctagagtct cctccaccag aaaatcaaac 180
catgaaaaag gcctccatgg ttgcaatctt cattacaaca ttcttctacc tgtgctgtgg 240
atgctt 246

<210> 37986
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700944992H1

<400> 37986

gaacttgaga aaatttcaca gtgtagccaa agtcattgga acccttataa cagtttcagg 60
agctatgggt atgactctgt acaaaggccc tgccttccaa atcataaagg gtggaggagc 120
catcagcaac catagcaact ctagcagtag tagtaccacc gaacaatctg accagcactg 180
gatagttgga actgtttatc tcatatcaag ttgtgctagt tgggctggct t 231

<210> 37987
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944993H1

agatggggtc gcacttcttc tgttcaagac acttctcaga attcg

285

<210> 37993

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 700945003H1

<400> 37993

aacaaccaac tgcagaagaa aacctgcaaa atttggcagc tgacacaact gacacagatc 60

tgaagaaga acaagatatt aattttatta atggaaagag cgaatctgaa cttagacaac 120

ccaaatacac caacc 135

<210> 37994

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700945005H1

<400> 37994

ttctcgagcc gaatcggtc gagctatgga gtattttaat tttgaatatt acgaaatttc 60

tttatcagtc aagtatttta attatgaagt gaaacttttc tcttctttaa atgaccaaatt 120

aacttgtgga gagggttaga tatgactgac acgtcagtga ggactgagtt ccttaacccc 180

caaaa 185

<210> 37995

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945006H1

<400> 37995

tgaagctggt atttccaagg atggacagac tcgtgaacat gctctgcttt cattcaccct 60

tggtgtgaca cagatgattt gctgctgtaa caaaatggat gctactacac ccaagtattc 120

caaggccagg tatgatgaaa ttgtgcagga gtctcttcct acttgaagaa agtaggatac 180

aaccctgaca agattccggt tgttcctatc tctggttttg agggagacta catgattgag 240

agggtccacca accttgactg gtacaag

267

<210> 37996
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700945007H1

<400> 37996

gcgtggaacc tctctctctc tctctctctc tctgcggaaa ccggaatata tcagttctct 60
gatcagatcc atccgacgtc gtttcagtga taatggctcc gttcagcggc gatgagacgg 120
caccgttttt cggttctctt ggagccgcag tgcctctctc ttctctctga tgggagctgc 180
ctatggcaca gcgaagagtg gcgttagcgt ggcttcgctg ggtgtgatga gaccagagct 240
ggtgatgaa 249

<210> 37997
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700945008H1

<400> 37997

tgtcagtgtt gcacgcgtc tgggtggtaga ctaagggaag agacaaggac cacaacatct 60
gctcaagtgt tactgcgtgc ggcacttcca tgcctctctt catcatcgca tcttatcttc 120
gctgccactg caacagggta ggaagatgca gagttctcca ttgttgatgg ttttgtggag 180
ataagtgaat gcacggcaga gatgaccaag tacgtggcta atgaaccata cgatgggctt 240
ttctttatcc aacagcatgc tcaaatgca atatcaatat c 281

<210> 37998
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700945009H1

<400> 37998

ctcagaccga tttcaacata taatcctttt aggaggatag tatatttgag ctttacagtt 60

atcgatcatgg aattagacca tgggccgcat attgaatttt ggatcagtc tctaatttta 120
 tgtgttagtg cccctttttt atggctagac tttttgctgt gtttgggtg gctgtacaag 180
 atttcttgat gtatgtggga tgcacaagcg tgcaaaactca tacgtagagt attatgcact 240
 gctattacgc aataaggtca tcatggatta tttttaaaaa 280

<210> 37999
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945010H1

<400> 37999

cttttagcttt actttccttt tgatccttaa aattcccatt ttgaacagtt attttgtttc 60
 tgatcctcaa aaagctccag gatttgattt gtaataagaa atctagcaac tagttcatgg 120
 gttaatgtac attttaaagt gagattgtcc acatttatct tctgctatct cgattggatg 180
 agtcttacct ctttttattt tttgctcaca tatttgatct ctctttctg gttggcttct 240
 gcttgaggc aagttctact gacatcagaa atcatggttt 280

<210> 38000
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945011H1

<400> 38000

caatgacact ggcaaccttg tgcttcttga tggcgcctcc agcagtactt gggagagttt 60
 tgatgattat agagacacct tgctgccttc tcagactatg gaaaggggtc agaagctttc 120
 ttctaaactt aggaggaatg acttcaaatt ggcagggttg agctcttttt ccaaaatgat 180
 ggtaatcttg tgatgcactc tataaatttg ccatctgagt atgttaatgc taactactat 240
 gcaagtggaa ccattgagtc caacacatca agtgctgg 278

<210> 38001
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945012H1

<400> 38001

gttttcgatt cgatcaactc actcacgcgc acgcctttca ttccattcca ttccgatgct 60
atgacgacga cgaattccct cttcttctcc cttgactggc acaatgaatt ctatcctacc 120
tatcatgatt tctaccttct ccccttttcg ctctcttctt cccttccctt cgcttctttc 180
tcgaccgatt catattcgag aaagtggcga gacggttgat ttccggaaag gggcatgcgc 240
cgctggacta ccattcagac gagagaag 268

<210> 38002

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700945013H1

<400> 38002

gcgctacgaa gagatggtgg agttcatgga gaaggtctcc gccgccgccg acaacgagga 60
acttaccgtg gaggagagga acctcctctc cgtcgcctac aagaacgtga tcggagcgcg 120
ccgcgcctcg tggcgcacga tctcctcgtc gaggagaagg aggagagccg cggcaacgag 180
gatcacgtct ccgtcatccg cgactaccga tccaagatcg agtccgagct ctccaacatc 240
tgcgacggta tcctcaagct cctcgactct cgcctcatt 279

<210> 38003

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700945014H1

<400> 38003

agccaagtga aagagagaag aaaagtcaaa gacaatgtca gggatcattc acaagattga 60
ggagaccctt catgtgggag gccacaagaa ggaggaggag cacaaggggtg agcagcacca 120
tggtggagaa taaaaagggg agcatcatgt gaacacagta ctgaatacaa aggagagcat 180
catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaaga ggggttccta 240
gacaagatca aggacaagat ccacggcgag gaggggtggc 279

<210> 38004
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945017H1

<400> 38004

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 cggggggcccc acttccctcc gtagcatcgt ggtggaagac cacggacaag tacagggggg 120
 gatccactac aatcgtccta gggaacaat cctagaacaa acttattccc tcggaaacta 180
 cctcaacgga acacaactag tctctctctc ctcacgttc gaccacctca acgccatcaa 240
 cgtcgttctc acatctagcg acgtaggggt tgacggcttc tgc 283

<210> 38005
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945018H1

<400> 38005

ctcagtctca actctgctcc gaacaaccat cacttggtcc ncntngagan gaccgctacc 60
 tacctaccgc tacgacatca tatccctgcc gtcgtcactc tcntcctct tctcgtcct 120
 tcttctcact ctcatcctct tcttccaaac tccaatgctt ctgtcctctc ctcgtatttc 180
 gcacctcttt ctcaatcagc gaagagcgga ggttcgcgtt tcgagtggag gatacggaac 240
 tgtgtcggca ccgatgtcag ttgcgtctga tctgatcag ttgaagagcg ccaga 295

<210> 38006
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945019H1

<400> 38006

ccaacccttg gtgaatttct gagcagtgcg cagcatgttg tcattattcc ctaacttggt 60
 cctcttccta tcaactgttaa ttggtctatg caattgcagg gtgcaaacc taaacactaa 120

cccaactcac ttcaaccac aggtcccacc ctaccgaacc ctctcgtcct cgaagcgctt 180
 cgaggggtcc tcggagttcg tcaagctgaa ataccacatg gggccggtgc tttcatctcc 240
 gatcaatatc ta 252

<210> 38007
 <211> 130
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945020H1

<400> 38007

cttccaggtg cttattaacc gagtcaagga tgttgctcga accatgacag aagtcgatat 60
 tgcggtgtac agaaaagggtt aactgtataa gctccaattt acatccaagg aacagaccta 120
 gtggtgggta 130

<210> 38008
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945022H1

<400> 38008

ctttaactgg aatagagtta aattacggta ctgtgatgga gcatctttca gtggagatag 60
 tgaagatgag tctgcacagc tccagtttcg aggacaaaaa atatggctag ctgcaatgga 120
 ggaattaatg tccaaaggaa tgcagaagcc gatcaggcac ttctctctgg atgctctgag 180
 ggtggtctgg catccataat aactgtgat gatttcggga gcttgtttgg aaaatcttcc 240
 aaagttaaat gtttgagcga tggaggtttt tttcttg 277

<210> 38009
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944990H1

<400> 38009

cttttatgat tttggaatga tgggaagtat cagtcaaaat atccgacgaa ggtttacttg 60

aagcttttta tggaatttat gagaagaatc cagataaggt ccttcaatca atgattcaaa 120
 tgggtgttct tgtcccaact ggagatatga ctgctgttaa acgaacagca cagttcttcc 180
 tcaacagtta tgaagagcgt ttggctgcac aaaggagaga gagagagatg gaaacagctg 240
 aacttgatt 250

<210> 38010
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944955H1

<400> 38010

atcccacctg accagcagat tcttatcttt gcgggtaaac agcttgagga tggtcgaacc 60
 ctgcgcgact acaacatcta gaaggaatcc actctccatt ccgagtttcg cctcagtggc 120
 gccagttcta tctgagcata gactttgtct ggtccgcaga tcaccctcga tgtcgaatcc 180
 tcggacacta ttgataatgt ctaggccaaag atgcaagact cggaggctgt acctccagat 240
 gaaccgttgc ttata 255

<210> 38011
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944956H1

<400> 38011

ttgaatccaa gttgttaccg tattctgtta ttattgactt agaatcctta accttttctg 60
 ctgttttag 68

<210> 38012
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944960H1

<400> 38012

ctttaaacgc cgaaggttca tccaatctcc gaaggccttc atcggttgc aaccatgtcg 60

acgagaaatg ttagagagcc tcaggaggaa aacgtgactc tgggccccagc tgtagagat 120
 ggtgaacatg ttttcggagt cgctcgaatc tttgcactct tcaatgacac cttgattcat 180
 gtcactgatc tgtctgggag ggacacactt gtccgcatca ctggcgggat gactgctaca 240
 gctgac 246

<210> 38013
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944962H1

<400> 38013
 atgtgctaaa gttggttttg tctgctatgg agcaaaataa tggcagatgc aagaagtcag 60
 tgttgctggc aatttagatt ttgtttctga agaaggaatt taaaaaatga aaattcagat 120
 caatggagtc tgtctcatct aatatgcttt tctttcataa gaccttagcc ttgaagtata 180
 attgttaacc catttctctg ctttctgtta tcagttagca ccaccatgtt atgcacctcc 240
 aattgtactt gt 252

<210> 38014
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944963H1

<400> 38014
 ctggatttca ctaataaagg gaagcttatt tgaatgtaac ttcggtgtta aaagtcctaaa 60
 tattgtttca ctaattaact agaaaataag cttcccttta taagtgaat ccagagccac 120
 taccactaca gtatatacat attaattagt gaaacaatat gtggactttt aacaccgaac 180
 ttacattcaa atttactcca tcagtcagta ccaacacact ataaactatg ctttgtgatg 240
 tatgagagc 249

<210> 38015
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944964H1

<400> 38015

aatcaatggc cactcctact tcaacttggc cctcataaca aacgtaggag gtgctgggga 60
 tgttcattggc gtggccatca aggggtcaag aacaggggtg atgccaatgt ccagaaactg 120
 ggggtcaaaat tggcaaagca acaactatct caatggccaa agcctctcat tcaaggtcac 180
 aaccagtgat ggccgtacag ctgtgtccta caatgttgcc cctgctgggt ggtcctttgg 240
 ccaaactac act 253

<210> 38016

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944965H1

<400> 38016

ttcagatcta gagaggaggt cgtacattga aaccatcgat cactccccgg aatctatgat 60
 ccggatttca ttgctgcaa ccaaggagac cgtgccacta acgtaatcag gggcatgaag 120
 taagaacaag ttctacaaat catcaaagac attaattgagt tcaaggacag cactaagggt 180
 gacaagggtg ttgtcctgtg gacagccaac acagagaggt acagcaacgt atttgtggga 240
 ctaaacgaca ccagggaana 260

<210> 38017

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700944966H1

<400> 38017

caggggtggc ggagactctt tgagtattgt gccgaatacg aggtttcaat tgtactctc 60
 gatggttctt tgtgagtacc caaatcctat aaaatccgat gataataacc atgcaaaatg 120
 gagatgagta catccgtcct tgttccggcc agttgccata cctgggtcca acccctttca 180
 tttttgaatt tttctcggcg ccaaaaacgc ggtc 214

<210> 38018
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944967H1

<400> 38018

agataaggta gcgtctacca cctcagcgac aacccatgcc aataccccat cacgctcttc 60
 ctactccagg tgcaagtgca actcattaga ggaattaatt ctcacactcc atgccaattt 120
 ctaaccgccc tctctctcag gctatctttt gccgtcaaaa ctcgggaaac cttcgtctcg 180
 aagtgggatc tcttctttta atcccaatat gcatttagag ttatgatc 228

<210> 38019
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944968H1

<400> 38019

gtgttttttc ttcagtaaag aagaaacctt tctctttgcg cgtgtcccg tctcttctcc 60
 aatcctcctc catccccact gtgtgatctg atcctaaacc ttatagccat gactaccatg 120
 gagattaagc tatggaatga caagcgcgaa agagaaatgt atgacatctt tggggagctt 180
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<210> 38020
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944970H1

<400> 38020

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 cttctaccgc acttctcagc actcttatgc tgcaagacaa aaagtggacg agatatccag 180
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250

<210> 38021

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944972H1

<400> 38021

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tctctacaag cgccacaaga aacttgcttt ctcttggtc aggaacatct tccatgactg 120

tgctgttcag agttgtgatg cttcactgtt gctggactcc acaagaagga gcttgtctga 180

gaaggaaaca gctcgaagct ttgggttgag aaatttcagg tacattgaga ccatcatgga 240

agctttgga 249

<210> 38022

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944973H1

<400> 38022

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agaacatcta ctggtgtatc ctggatccca tcgaatacag ctactcatga agaccagcct 180

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tcagtctctg gt 252

<210> 38023

<211> 253

<212> DNA

<213> Glycine max

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ggaacagtac gagaaggtgg agaagatagg cgagggaaca tacggcgtcg ttacaaggc 120
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 cgaaggcggtt cccagcaccg ccattcgcga gatttctctc ctcaaagaga tgcagcatag 240
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<210> 38024
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944975H1

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 gtggagaaca tagaagacgc accctcccca gatgcctctc ttctccagag agtcttgaga 180
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 ggcttgac 248

<210> 38025
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944976H1

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 agattccaaa gccttggagt tgctttctat cgtgggtgtg attgttgtgt tcttgatat 180
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 aagcaa 246

<210> 38026
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944977H1

<400> 38026

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cagaaaggag cagagtccca gaagttggaa ctagaggcag cattacagaa ttctcttgaa 180
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caga 244

<210> 38027

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944978H1

<400> 38027

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gggtgatcca ctgttcgctg cggttgggtgc tgctgtggg atctgtggat tccaactggg 180
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<210> 38028

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700944979H1

<400> 38028

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ctgctttgcc ttctctccct cctcgcgtct ccaacaccaa aaccactttg ttctcacctt 180
ccctcaacaa cttttcagtg tcccgaat cttctctgct tcagacca 228

<210> 38029
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944980H1

<400> 38029

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 atcttctgca tcaaactcca gttcagtcct tggagttgga gaaggcatca ggaaacatgg 180
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 ctgatga 247

<210> 38030
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944981H1

<400> 38030

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 gtcattattc aacctgaaag tatggaggca gatccatcgt ttccctcaga ttactccgg 180
 gccagattt c 191

<210> 38031
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944982H1

<400> 38031

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 aacaagttcc cgagagagaca gccgattggg acggcggcgc agagccaaga cgacggcaag 120
 gactagcagg agccggcgcc ggcgccactg gttgaccga aggagtttac gtcattgtcc 180
 ttttacagag cagggatagc agagtttgtg gccattttct gtttctatac atcactgtct 240

taaccgtcat gggag

255

<210> 38032
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700944983H1

<400> 38032

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tgtcaaccct gggtctttcc agcagcacat tagacatgat tctaatttga tgagtcagct 180
ctttcagagt gatccagagt tggcacaagc tagtttaggg agggga 225

<210> 38033
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<212> DNA
<213> Glycine max

<223> Clone ID: 700944985H1

<400> 38033

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aaagaaggta tggagaggaa ggatgtgatg actaagaacg tctccattta caagtcccag 180
gcttctgccc ttgaaaagca tgctgatgcc aactgcaagg ctcttggttg tgctaaccga 240
gcaaacacc 249

<210> 38034
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700944987H1

<400> 38034

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cgctcgtaag atcgctgccg ccgatctcga gtggtcggtc catggtcgcg cctctcacca 120

gtttttgatg cgcattgctca ccggcgactc cgccgccgac aactccttcc gattcgttcc 180
gcagtccatc gccgccttcg gctccaccgt catcgctgag ggctgctgact ccgcccgcga 240
cattgcctgg gt 252

<210> 38035
<211> 254
<212> DNA
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<223> Clone ID: 700944952H1

<400> 38035

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ctcactgtgt accatggaga gatctgtaag taatcatgga ggtgtttagg tagtcaagag 180
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aattatttac tgct 254

<210> 38036
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700944989H1

<400> 38036

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aagaacgtct ccgtactggt atacatcatc ctctctgtgt ctgagtacaa aatgctgact 120
ttagctgcga actaagtttg agtataatgt agttgtaatc taactgaaat ttgctgagat 180
gggattcgat tgtgcagata ttcgaagatg tctgtcgaag tggttcgaca ttacgagtc 240
tgacatgggt ga 252

<210> 38037
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700944924H1

<400> 38037
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gaaaacaccc ggaaaggcta tgagttaccc ttttcacaag cctgaggaaa accatcctcc 120
agggaaggac tcaacaaaa aaatttcaaa cataattgga aaagcagcaa attatgctgg 180
ttccgcaaaa tctaagaagc accttcctta cgttcccacc ataaccaact acactcaagt 240
ttggtggggtt cctaattgtg 260

<210> 38038
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944925H1

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ggaccagcaa cgtctcattt tcgccggaaa gcaacttgag gacggccgta cccttgctga 180
ctacaacatt cagaaggaga gtactcttca cctcgctctc cgtctccgtg gtggcatgca 240
gatcttcggt aagacactc 259

<210> 38039
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944926H1

<400> 38039
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cctggcaatc gtcgaagtcc tcacgcccgc cgagaagcca atcaccaacg accacctcga 180
ttggtacgct attctccagg tcgatcgcac gtgccaggac ctcgatctca tcccgttaaca 240
gtaccgtaga ctcggtct 258

<210> 38040
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944927H1

<400> 38040

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 ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca aggaaggaat 180
 cccccggac cagcaacgtc tcattttcgc cggaaagcaa cttgaggacg gccgtaccct 240
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<210> 38041
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944928H1

<400> 38041

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 ctaggcattg aagaagactt caatgttcta gagaacgagt ttgagcagtt ggtgatgtcc 180
 tctgaagctc tagatcattc tgatcctaata gctggaaaag tgtctcctca gggctctaac 240
 aaagatgtta aag 253

<210> 38042
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 <212> DNA
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<223> Clone ID: 700944929H1

<400> 38042

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 ttgatgaagg ggtcgcaaag atcccaagat tatttcatca tccacctgat gaattgtca 180

tggcttcaaa gttaggcaac acagaatata ctatacctgt tatagacctt gcagaagttg 240
gcaaagatcc a 251

<210> 38043
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700944930H1

<400> 38043

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ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg gcactctgct 180
ggaacttacg acgtgagctc gaagaccggt ggtcccttcg gaaccataaa gcaccctctc 240
gaactcgctc ac 252

<210> 38044
<211> 254
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<213> Glycine max

<223> Clone ID: 700944931H1

<400> 38044

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tttgggatat tttgatgggg agagctcaaa gattggagtt ttagcatttg ggggaggtgt 120
tcatgctgat ttggtcttac ccatttctag aaaccttcca ttgaatgatg ggttgtggtt 180
tgctattcag aattccagtg atgagggttt gaaggagttt aggggtgcctc agaataccta 240
tagggctggt ttgg 254

<210> 38045
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700944932H1

<400> 38045

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 aatgaggaga aggcacaagt tatcca 266

<210> 38046
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 <212> DNA
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<223> Clone ID: 700944933H1

<400> 38046

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 catagaaatt ggtcaagttt atggactaga tgggtggttcg aacaacctaa taatttctat 180
 tcgacaagat ggtggtaaaa tatagtagac agtagacaat acaattccag catgtgacat 240
 gttatgtaga ataaacgggc cca 263

<210> 38047
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944934H1

<400> 38047

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 gtttgctggt ttctccctct ccactgagtt gactgattca cttgacctct tctccggctt 180
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<210> 38048
 <211> 259

<212> DNA
<213> Glycine max

<223> Clone ID: 700944935H1

<400> 38048

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attgctgatac ttgggaagaa aatgaatcag gaaatgaatg ggggtgaggc agagaggggtg 240
aaagtgaatg tgcatagaca 259

<210> 38049
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944936H1

<400> 38049

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ccaccagggtg aaaatcctaa gaaacctggg gctcctcata atgttcgact atattcaatt 180
gcttccacaa ggtatgggga cttttttgat ggaaaaactg ccagcttgtg tgtgcgtcgt 240
gctgtttatt atgatac 256

<210> 38050
<211> 255
<212> DNA
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<223> Clone ID: 700944937H1

<400> 38050

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agaacagcac ctgtcagatg taattatctg aatttcaact tgtttttacg tgtagatgt 180
agtctttag agatactttt agatatttta ttaattgttc agaatacgtc ataggaacca 240

gaggtgttga gtgtt

255

<210> 38051
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944939H1

<400> 38051

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 acaagcgcca caagaacact gctttctcct ggctcagaaa aatatccatg actgtgctgt 180
 tcagagttgt gatgcttcac tgttgctgga ctccacaaga aggagcttgt atgagaagga 240
 aacagata 248

<210> 38052
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 <212> DNA
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<223> Clone ID: 700944940H1

<400> 38052

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 ggaagagatg ttctat 256

<210> 38053
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944942H1

<400> 38053

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 gaacacttgg acgaacactc tttgctgctg ctgccagatc aaaacaatat gccactacag 180
 cagctgctgc tagcagagaa ggacacaacc cccttcagga gttttttgag gcagacagga 240
 gccctgaaga tgacaa 256

<210> 38054
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944943H1

<400> 38054

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<210> 38055
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 <212> DNA
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<223> Clone ID: 700944944H1

<400> 38055

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 cccgctagtt ggtggtggta gctctgatgg atactgtttt tgacttgtct atagatttct 180
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<210> 38056
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944945H1

<400> 38056

<400> 38059
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 ggaggaaatt cgcaaagttg ttgaacttca agaagagctt gatattgatg ttcttggtca 180
 tggagaacca gagagaaatg atatggttga gtacttcggt gagcaattgt caggctttgc 240
 cttcactgtt aatgggtggg t 261

<210> 38060
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944923H1

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 acc 183

<210> 38061
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 <212> DNA
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<223> Clone ID: 700944950H1

<400> 38061
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 gacacgggtg caattctgga agatggaggt atatctatag gcatagtcac tgccattgta 180
 ggtccagcaa gtctaaca 198

<210> 38062
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944951H1

<400> 38062

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 gctattcatc ggaggactta aagtccatag ctaagctcaa tgaactctat gaatcatgga 180
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<210> 38063

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944890H1

<400> 38063

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 tgtgtttggt tggactgaga gatacaaggt ggcaatgggt gttgctgagg ctttggagta 180
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<211> 256

<212> DNA

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<223> Clone ID: 700944891H1

<400> 38064

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 ccttgctttt tcacaacata cttttcatgg gatcatgcaa aagctatggt tatggggaac 120
 tcatttcaga aaaagggtgtc actactcttt ggacttggcc atgctgtgga ggaaaagttg 180
 aatgggtcaa gtccaggggg accaagacaa agagcagaag ctttggctgc cttatctaatt 240
 gcatttggtt catctt 256

<210> 38065
 <211> 211
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944892H1
 <400> 38065
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 tgaatggtca acatatagga agatactgga ctcggttttc cccaaaaagt ggatgtcaac 120
 aagtctgtga ttatcgtgga gcatataatt ccgacaagtg ttcaacaaat tgtggaaaac 180
 caacccaaac cttgtacaat gtcccacgat c 211

<210> 38066
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944893H1
 <400> 38066
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 tgtattagcc ttcatagcct tccaagaagc atctacaaat tgaaatctct taaaacactc 180
 attctctctg gatgtttgaa gattgacaag ttggaaga 218

<210> 38067
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944894H1
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 ttttacttcc attttctcc gctagttacc agcaccggtc gccgaatccg aaaagtgact 120
 tcaatccttt ccactaaggg tgtgttttga cttcagagca aacctaaagt ggaaaagggg 180
 atttttatct ttttttctt tttcattttg gccattcagt tctctctggg gacatttttg 240

ttctctctgc aactatgg

258

<210> 38068
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944895H1

<400> 38068

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caccacgttg ttgaacagta gtaatgaatt caccattcaa ccaggcatca tcagctataa 180
gctcgcggaac gggcttctcc ccaacagttg catgggttaac atcaggatat tgggttgatg 240
agtgattgcc ccagat 256

<210> 38069
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700944896H1

<400> 38069

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agattggtgg gctgtctcgg ttgaaagtaa tgccttggc taagaaattg tccatctgac 120
agttagctat ggtatggcct gcctccccac acagatcaca aatagggggg gatggagcag 180
gctacatgag ctgtgtctga gccttcatca gagtctctat ctatttggcc atgacatcga 240
gcttgccggg gcagtga 257

<210> 38070
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944902H1

<400> 38070

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agggccatgg atgagtacac tctctgagat attcatgggt ggaaagaaca caattgtgtt 120
gcacaacaca tgtgaggact cactgttagc tgctcctatt atcttggact tggtccttct 180
tgctgagctc agcactcgaa tcgagtttaa agctgaaaat gagggaaaat tccactcatt 240
ccacccagtt gcgaccatcc ttag 264

<210> 38071
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700944903H1

<400> 38071
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atgagaagac cgttatagca atattgggtc acagaaatgt tcatcagagg caacaaatca 120
gaaagattta tgaggaaatt taccaagagg acctcatcaa acgcctagag tctgagctct 180
ctggtgactt tgagagagct gtgtaccgtt ggatgctgga acctgcagat cgtgatgctg 240
ttttggccaa tgttgccatc a 261

<210> 38072
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944904H1

<400> 38072
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gtgttctgaa ttttgttctg aacttcaaga tcgtggcagt agcagatgac actggaagca 120
acagtattgt atcagaaggt gactgcaaga acacatatta tcagattttc ctctctccac 180
cttatcagaa tatatcctct accatatgca aacctgtttg gcattcatac gaattgaggt 240
acaccaagac gggtgaca 258

<210> 38073
<211> 250
<212> DNA
<213> Glycine max

002220"ETTES60

<223> Clone ID: 700944905H1

<400> 38073

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tatgataatg gtccattagt cacgggctct tcttattaga cattggatct gcatattttg 180
aaattattca agtctgagcc aattatctgt atctagtgtc tcggtgtcac agtgtgtggt 240
tgtattactg 250

<210> 38074

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944906H1

<400> 38074

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tgatgaatcc cctcctgagg gcattaaggt tgtggtaaat gatgatgatt tttcgacaat 120
atcttctgac attgaaggcc cagctggaac tccttatgag aatggagttt tccgaatgaa 180
gctgttgctg tctcatgatt tcccgcattc tccacctaaa ggttttttct tgactaagat 240
tttccatcca aaca 254

<210> 38075

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944907H1

<400> 38075

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catcaatttt cttatcaaag agggtcacaa agtcaatgca aagttcgagc tgaagccgcc 120
accatatcca ctgaatgggt tggagccggt gatgagccag cagacacttg agtttcactg 180
ggggaagcac cacaagactt atgtggaaaa tctgaaaaaa caagttgttg ggacagagct 240
tgatgggaag tcaact 255

<210> 38076
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944908H1

<400> 38076

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 aggatggcct ccatacctcga gccatccaag cctagtttct ttccagcgat gacaaagatt 120
 gttggcacac ttggcccaaa gtcacgatcg gttgacgtga tttcccaatg tcttgaggca 180
 ggaatgtctg tggcaagggt cgatttttca tggggtgatc ctgaatacca ccaagagacg 240
 ttggaaaatt taatgg 256

<210> 38077
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944909H1

<400> 38077

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 ggacaaaacg gtaaaacttt gggatttgtc gaacaaccaa ccctcttggt tagcatctaa 120
 atctccgaga gcaggggtta tctttagaat ttctttctca gaggacaacc cttcttggtt 180
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 ttctcgaaga tatgggaat 259

<210> 38078
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944910H1

<400> 38078

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 tggcttctgg aagaggaggc ttgagctaaa cgctgctgtt cgacgacgat gatcgtgagc 120

cagaccatgg tgacggaggc ggaaattatt tgcaagcaga acattccgat gttggacgtg 180
 aagaagtacc atcttcgcgt ggcgcaagag ctccggcgtta acgttaaggt cgtcgagggtg 240
 tctcccacct ctaacggc 258

<210> 38079
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944911H1

<400> 38079

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 gtcttgcgag agaaagccat gccagagacg aagatttttg gcatgctgtt tggccaaaca 120
 ctcccattcc aagttcattg cgagatcttc taaagcctgg ccctgcaagt gttgaaatcg 180
 atgatcacc tatgacaatt gaagaaacac agtacccgaa aaccttcttc tatgaagaag 240
 accttcatcc aggc 254

<210> 38080
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944912H1

<400> 38080

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 acgttacgct tttagtacc ggatctgtat ggatctgaac cagatctaca cgccgatggt 120
 ggttttgccc tggcttttca tagatctgat gcatggaggc tcagatctac tgtacagagg 180
 tgtgcatc atgttcgtct ctcttttgga atctgtttcg tagaaagtcg tttggtcttc 240
 catgtcgcat ggc 253

<210> 38081
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944915H1

<400> 38081

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 caaggcactt catggtggta acttccaagg aactcctatt ggagtctcca tggataatac 120
 acgtttggct cttgcttcaa ttggtaaact catgtttgct caattctctg agcttgtcaa 180
 tgattattac aacaatgggt tgccttcaaa tctcactgcc agcagaaacc ccagcttgga 240
 ttatggattc a 251

<210> 38082

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944916H1

<400> 38082

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 aatctggtat ttcttaggat ggacagactc gtgagcatgc tctacatgct ttcacccttg 120
 gtgtgaagca gatgatctgc tgctgtaaca agctggatgc cacttccccg agttactcta 180
 gggctatgta tgttgaaact gtgactgaag tctcttcta cgggaatagg gctgggtaca 240
 tcca 245

<210> 38083

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944917H1

<400> 38083

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 attctcacta tccaccaaatt aaagttttga tatgggatga tcatcagagc aggtgcattg 120
 gtgaatttac atttaggtct gatgtgcgtg gagtgaatt aagacgtgat cgaattgtag 180
 ttgttcttga gcacaagata tatgtttata acttcacaga tttgaagctt cttcatcaga 240
 ttgcgactct ggcaaactct a 261

<210> 38084
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944918H1

<400> 38084

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 tgatacagtg aagtatttca ttcaagacat tggtgagaag attgaaggag cagttggggt 180
 tgggaagcca actgcagatg tcaactgggat acacattcca tcaattaatc ttgagaaggc 240
 agagctag 248

<210> 38085
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944919H1

<400> 38085

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 cggcaagacc atcacccttg aggtggaaag ctctgacacc atcgacaacg tcaaggccaa 120
 gatccaggac aaggaaggaa tccccccgga ccagcaacgt ctcatcttcg ccggaaagca 180
 acttgaggac ggccgtaccc ttgctgacta caacattcag aaggagagta ctcttcacct 240
 cgtcctccgt ctccgtgggtg gc 262

<210> 38086
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944889H1

<400> 38086

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 aaatctccca gcaagtgtc cactgttggt gtccaaggca ttgcttggtc atttggtgga 120
 atgatctttg cccttgctta ttgtactgct ggtatctcag ggggtcacat taaccagct 180

gtgacatttg ggctgttttt ggcacgcaag ttatctctca ctaggacagt gttctacatg 240
 atcatgcagt gcttggg 257

<210> 38087
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944921H1

<400> 38087

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 aaccaaacat gtcgaacaca tgcggcaact gcgactgcgc tgacaagact agctgcacgt 120
 aagtgccttca tttcttttct gcatttgtgt gcaagacaat ctttacacat atgtagttca 180
 tgttacaatc accatatttg atcgctaaag gattaatctg tataggagta tattatgcat 240
 acagtatact gagatct 257

<210> 38088
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944857H1

<400> 38088

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 gcagaagggc gaatcgaaag ggttcgtgga agagatgagg ttcgtggcga tgaggctgca 120
 cacgagggac caggccaggg agggcgagaa ggaggtcaag cagcccagg agaaagccgt 180
 taccaagtgg gacccatccg tcgaagggtta cctgaaattt cttgtggaca gtaagctcgt 240
 ttatgacacg ctggaga 257

<210> 38089
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944858H1

<400> 38089

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 ggtcaaacca actcagctag ctgcatactc ttctttttct ttcctcacac ctttaagaaag 120
 aaaaaacacc aaaaaacaca ctgtgataga attcctaaaa aatgggtttca gaaaaacagg 180
 gttagcaaaa agcaccttgc atcactacgc ttccaagtat tctaggagtt atcaaaaaac 240
 aaaagggctt gaaggtagcc tagt 264

<210> 38090
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944859H1

<400> 38090

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 gtgtacagcc aatgcgggaa gcctgaattg gttcaacagg ctattgatag ttgccctgtt 180
 gactgcattc attggacatc agctgcacaa ctatcattgc ttgaagacga aatgcgccgc 240
 gtagaaagag tcaatgttgc 260

<210> 38091
 <211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944861H1

<400> 38091

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 caggtgatga gcttctctct gactccttcc gttacaagga aattgagaat ggaatgctgt 120
 ggggaagttga ggggaagtgg gttgttaaag gagcagttga tgtagacatt ggtgcaaacc 180
 cttctgctga ggggtggagga gaagttgagg gagttgat 218

<210> 38092
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944863H1

<400> 38092

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 ttgttgacag acccgccgaa ggaactaggg ctgcatcatg ttgttcataa gtatttgagc 120
 tgtatttgca ccccccaatc ctttttaatt aatcatgttt tctttgggtt gtatgtacta 180
 cacactttga tgtcactgtt atgtggagct ccaacaagtg gtatgggctg caatttacaa 240
 aacacaacaa cttgatgggtg c 261

<210> 38093

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700944864H1

<400> 38093

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 gcaaaactac aacgagagcg atcccaagac ccacgagggg atggacttga caagagtga 120
 ctactaaaga gttgatagca aaatacggcc ttgatgataa cactatagac ttcattggtc 180
 atgctttggc gttcatagc gatgatcgct acttggtga gccagcactg gacaccgtga 240
 agagaatgaa gttatatgca gagtctcttg cacgctttca agg 283

<210> 38094

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944865H1

<400> 38094

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 gtaggaaatt taagtgaaga gagaatgatg atgaagtctg ctatgtgtgc attggtgctt 120
 gtggcactgg ttgtggttga agtggggccc atggctgagg ctgcggtgac ttgcaaccca 180
 acacagttga ctccttgtct tccggcaatt aattcaggtt ctgcaccttc gagggtgtgt 240
 tgccagaagc tgaaggagca aaagccatgc ttct 274

<210> 38095
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944866H1

<400> 38095

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 ccatcgaggc ctacgtggtg cgcgccggag gcaccgttat cgaagtcccc ctcccccttc 120
 ccgtcacctc caacgacgac gtagtcaacg aattccgaaa agcccttgag aggggcaagt 180
 cccgaggcaa cagaattcgc ttagcgggta tcgaccacgt gacttccatg cccagcgtgg 240
 tcatccccgt taaggacttg gtta 264

<210> 38096
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944867H1

<400> 38096

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 ccgacagaga gcttcgtggc aaacttcacg cttatgatca gcatcttaat atgattcttg 180
 gtgatgttga agaaattgtt actacagtgg aaatcgatga tgagacatac gaagaaattg 240
 tgaggactac aaagcggaca g 261

<210> 38097
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944869H1

<400> 38097

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aaaagcacca agtacttctt gcaggataat tggcagagaa cttgggtatt gctactgtgg 180
 attggcgtga tgtaggtct atttgcctac aaatttgtgc agtatagaag acaacctgca 240
 tatgaggtga tgggccattg t 261

<210> 38098
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944870H1
 <400> 38098

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 tcaggaattt ctgagctttg taatggatca aatgcatgat gaattactga agcttgaagg 120
 acagtcttca agtcttaatg gtagcaaata ttctctgggt tcttcgggtgg aagatgatga 180
 atgggaaaca gtggggccga agaataaata tgctgttaca aggactcaaa gctttctccc 240
 atcagaatta agtggatatt tt 262

<210> 38099
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944871H1
 <400> 38099

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 gccattattg gcccttcttg aaacttggtc atcaattgag atgaaggact caacatcttg 120
 acaccacccc atttcctaata tgatttggat tagtcgtgtt ggacctggat gctgctgcta 180
 atacagttga tccacaaatg aga 203

<210> 38100
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944872H1
 <400> 38100

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 ccttgctgctg ctgattcttc tgatccagta caacaacgtt gtcaacgcct acaacaacaa 120
 aaactgtgtc acagaggatt gcctcatcgg caacaaggat ttggaatcag agttctactt 180
 tggatcccat gtggccagaa tgctctacga tgtgagccaa tctgtgagt gcaaaacagg 240
 caataaaaat aacaaagctg ttaa 264

<210> 38101
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944873H1

<400> 38101

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 atagagggtg tgaagtgaag gtgtttgaga aggatttgag tgctgttaga ggagaaggta 120
 ggcaccgtgg cccaattcaa ctattgagtg gtgctcttgc tgtgttggaa accatcgatc 180
 agagtgttgc aaggcagata atggaggctg gttgtgttac tgccaatagg actaatggcc 240
 ttgctgatgg tctatctggg 260

<210> 38102
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944874H1

<400> 38102

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 gaaagggtgac agtgaggcca agttttctcaa agctgggtgt accttagcaa ggacccctct 120
 tgagaaatcc caccttgatg gtcaaccttt caatccctca actcctgtaa aatgttgcga 180
 ggaagggggg gagagaactg attccttgga gcaaacacca agcagctgta tctccaatgc 240
 gcaaagtact caatgtgac 259

<210> 38103
 <211> 235

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944877H1

<400> 38103

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 tttttgatct gcgaaaatga gagagtgcac ctccgatccac attggtcagg ctgggatcca 120
 ggtcggaaat gcttgctggg agctctactg cctcgagcac ggcacgccc cccatgggca 180
 aatgccaagt gacaagacag ttggcgggtg tgatgatgct ttcaatactt tcttc 235

<210> 38104
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944878H1

<400> 38104

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 tctctcctcc ttcaaaccac catccatcaa atgcgccacc caactccata cccaagcccc 120
 gccctcacc cactcccaag atcgcgtctt caacttcgcc gccggtcccg ccaccctccc 180
 ggaaaacgtc ctctccgtg cccaatccga gctctacaac tggcgcggat 230

<210> 38105
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944879H1

<400> 38105

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 aagtcaggag ttcgacttgt cncctggcatt gtgaaagatg ttgaagagaa gaagattatc 180
 ctaaagatg gtactgaggt tccgtatggg ttgctgggat ggtctactgg agttgggtcca 240
 tctgctatta ttcaatctt 259

<210> 38106
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700944882H1

<400> 38106

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 caaatctgat gtaacagtan acttttagtg caattcatat cacttgccctg catgggtctgt 180
 gagcatctta ccagactgca agaatgtagt gcttaatact gcaaagatta attctgcac 240
 tgcaatttca agc 253

<210> 38107
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944883H1

<400> 38107

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 tcttgctggg aactctactg cctcgaacat ggcatccagc ccgacggcat gatgccttct 120
 gactccacct tcggtgtagc ccacgacgcc ttcaacacct tcttcagcga aaccggatct 180
 ggcaagcacg tccccgtgc tgtcttcgtc gacctcgaac ccaccgtcat cgacgaggtc 240
 cgctgcggca cctaccgtca 260

<210> 38108
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944884H1

<400> 38108

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gataatgaga tggcaagcga tcttgctagc agtgggtgtgt gtgggtgattg taaatttttg 180
 ttacttgaag actttgggaa tcatacagtt acccaaagct cacgaaggag gcttagagga 240
 agattcaggc acaatagt 258

<210> 38109
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944885H1

<400> 38109

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 ggggtgtcgat tcctaaagat tatgagtctg gtgctgtcaa ggggtttgct tacgtagact 180
 tcagtgcagt tgatagcatg ggcaaagctc tagaactcca tgaaactgaa cttggagggtt 240
 ataccttaac agtggatga 259

<210> 38110
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944886H1

<400> 38110

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 aggtcaccaa tcaacatccc tctttctctc tctgttactg aatcgaattt aaacttcaca 180
 gggagggttc aagtttctcg actttgatgc acacgcttgc ttctccagaa actcacaggt 240
 gggtgtttcc ccttaatga 259

<210> 38111
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944856H1

<400> 38111

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 agaagatggg gcaggaccag aaccagagat cgctgatcta tgcgttcgtg tctcgcggca 180
 cagtgattct cgccgagtac accgaattca gcggcaactt taacacaatc gcgttccagt 240
 gcctccagaa gtcacctgcc tccaacaa 268

<210> 38112

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944887H1

<400> 38112

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 cctatggaga aacttcatac ggagctcttg gagcaatata gcagtggttg gcaccacaac 120
 agagtgagga ggtatcttag atcagaagat tggtccttgt cctgaatcca aagggaagcc 180
 ttggtatggc ttgcttatgc tgtaaggaa gtacgctgag cattttttgca tcaacacaag 240
 gtccaagggc cgtgtcaccc tccagtt 267

<210> 38113

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700944827H1

<400> 38113

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 ttggacaaca agaacacaat tgaggaatat atctgtagaa aatgtggaaa aagatataat 120
 gctctggatg cattgcgatt agtatctttt gaagatgatg acttccattg tgaaagttgt 180
 aatggaaaac ttgaggtaga aagtgacaaa tttgttgctc aagaaggggg tgatggagat 240
 gaaaatgcaa gaagatggcg gcatg 265

<210> 38114
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944828H1

<400> 38114

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 cgccacgggg aagaagaatc atggcaactc ctcttcttct ggcaatgaag aacggtccat 120
 tcccgaagga gatggtacta gagggaaacaa ttcttctgat ggcaacaaat cagaaaacaa 180
 ctctgagaaa tgccaccata ctaatctgga ttggcgcgag ttcagggaaa agctatatag 240
 agatgagctg aaagaattat ca 262

<210> 38115
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944829H1

<400> 38115

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 gttttacatg gaaccagaga cgtcggatag tggctctatg acaagtgggtg ctgttgcagg 120
 ccgtgggatg ggcggtgtag ggcgtacacg caagtacctg gtgccaatgc tgctgtgaga 180
 ccattgcctg cactcaagga gaacgtcaag agagttatgt tttattgtta agacatgaat 240
 gccaaagatt actgttaaaa ccttgttt 268

<210> 38116
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944830H1

<400> 38116

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 accttttggg gtgagaggct acgtgagtca aaatatgata ttaatgagga agaactgcgt 120
 ccctttttct ctctgccaaa gggttatggat ggactcttta accttgcaaa atcacttttt 180

ggcattgaaa ttgagccagc tgatggtcta gc

212

<210> 38117
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944833H1

<400> 38117

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ctcaatatct ctgttggcga gagtggagat cgtctacca gagccgcaa ggtgttgga 120
caacttagtg gccaaacccc agtgttttcc aaagcaaggc aactgttcg ttcctttggg 180
attagaagaa atgagaagat tgcattgctat gtcactgtca gaggtgacaa ggcaatgcaa 240
cttttggaga gtgggttgaa ggtg 264

<210> 38118
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700944834H1

<400> 38118

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attgatatgg ctgcttctgc ttcaaactca acccttcaact caccaccac tcccaacacc 120
accttcgtcc aagccgaccc ttccaacttc cgcgcgctcg ttcagaaact caccggcgcc 180
tccgacgacc cctccgcccc taaactcccc ctcaactctc cctcgcgcct cgcggcggcg 240
cagteccacc accgccccgc cgtcggcg 269

<210> 38119
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700944835H1

<400> 38119

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atctgcacaa tggattgtct tggggcaaag gagcttgcaa aagattttgt tgtttctggg 120
 actgcatctg agtctctgta tgggtgcttg gaggcgatgt ttaagcctga catggaacca 180
 gaggaattgt ttgagaccat ctccaagca ctgctatcat ctgtagatcg tgattgtttg 240
 agtggctggg gaggacatgt ctatgtt 267

<210> 38120
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944837H1
 <400> 38120

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 aagatgaggc tggatcatat ttcacacgct ctgtttgctg gaagagtgat cgtcccaacta 120
 ttctaacagc aaatagtcaa ggcaccatca aagtgtggt gcttgcagct tgaacacgag 180
 aaaaaaatg aaatagaatg tggaattggt attatctttt cccatattgt atgattgatt 240
 gtatcattta ttaaattgta catagt 266

<210> 38121
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944838H1
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 cgtggtgctg cttttgccgc agctcaagtt tctagatctg agattcaacg aattcgaagg 120
 cacggttccg aaggagctct tcgacaagga cctggacgcg attttcatca atgacaaccg 180
 cttcgtcttc gacttgccgc aaaatttcgg aaactcgccg gtgtcgggtga tcgtgctggc 240
 gaacaaccgc ttccacggat 260

<210> 38122
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944839H1

<400> 38122

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agaagggact caacaattac gtcaaacagc tccagcaaca ccctttgaga accaaggtaa 120
tactgcagg ggtactatca gcgatcagcg atgttgtgtc tcagaaactt actgggatac 180
agaaacttca actcaaacgt cttcttttca aagtgatttt cggagctgct tatcttggac 240
cctttggaca cttttttcat ttaatact 268

<210> 38123

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944840H1

<400> 38123

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tatagatgtt gctgggcttt attttgctt gaccagttg actcacagga acatctctca 120
gaatcataaa tttcaagctg ttggacttgg ctgggcgttt gctgattctg tactgcatcg 180
attggctcct ctttgggttg gtgccagagg attagaattt acttgggatt acattcttca 240
gggccttgaa gctaatacaa atttgggt 267

<210> 38124

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700944841H1

<400> 38124

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acgtggcttg gaccgccgtt gaacacaccc accacctccg ccaccgcagt catcccgtcc 120
ccgctgcccc cgcagccgat gtctgcccat ccgaccaaga tttggagtct ctgcatccg 180
aaaatcgacg tctcaggaac ttactcgacc agaacttgaa attgctgcaa aacctctctg 240
aggcgacttg cttcgataat tgccctc 266

<210> 38125
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944842H1

<400> 38125

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 gcagggtgtg gaacaactta gtggccaaac cccagtgttt tccaaagcaa ggtacactgt 120
 tcgttccttt gggattagaa gaaatgagaa gattgcatgc tatgtcactg tcagagggtga 180
 caaggcaatg caacttttgg agagtgggtt gaagggtgaag gaatatgaac ttctcagaag 240
 gaacttcagt gatactggt 259

<210> 38126
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944843H1

<400> 38126

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 tgcattgcgt tgctctctct ataccttcta attcccaaatt ttctaggggt tggtacagag 120
 agaaaaagga acataagatg tctcagaacg ggaagctgat gccaaatcta gaccagcata 180
 gcaccaagct tctcaatctc actgttcttc aacgaatcga cccttttgtc gaggaaatct 240
 catcacgct gcgcattgtca cct 263

<210> 38127
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944844H1

<400> 38127

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 ggggttttca gatcatagtg tgtgtgtgtg tgtgttaaac aatggctaag ttctttgctg 120

ctatgatctt ggcactcatt gccatttcca tgcttcaaac agtgggttatg gctgctaatag 180
 agcaaggagg ccacttgtat gacaacaaga gcaaatatgg aagtgggagt gtcaagagat 240
 accaatgccc atcacaa 257

<210> 38128
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944845H1

<400> 38128

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 tcaagctaga gtccatgatg gaaggggtgct cagattcaga tgactacagc ttatatgatg 120
 agcagactga gaggtcaaca caaggcctat tgaacaataa cacaaacaca gctgcattga 180
 atatggatcc aacagtttca tcagtggatt caattgtatc agtctcat 228

<210> 38129
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944847H1

<400> 38129

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 catcgccgcc gccgcgcttt ttgagccgga agggttcggc accaccggga acaagacgat 120
 gcagatgatg gagatcgccg ccttcttcgg acacgtcggc agcaagacct cttgtgggta 180
 tggagtggcc actggaggac ctttggcctg gggctcttgt tacaatcatg aaatgagtc 240
 tatgtagtca tactgtgatg acta 264

<210> 38130
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944848H1

<400> 38130

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944852H1

<400> 38133

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 atgatgtg 68

<210> 38134
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944853H1

<400> 38134

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 tccagtgtac aagcctatac caaagccagt tccagttcca gtgtataagc ctattccaaa 180
 gccagtgtac aagcctattc cgaagccagt gtataagcct attccaaagc cagttccagt 240
 gtataagcct attccaaagc cagt 264

<210> 38135
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944854H1

<400> 38135

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 gaacgagata atgcaattgc aactcttcag tatcgcgaaa cctctttaag tagtggcagt 180
 atgccatcat gccctccagg atgccaaatt tcacgtgggtg tgaagcatat acatcatccc 240
 cagcaacagg tacaccatat acctaa 266

<210> 38136
 <211> 264

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700944855H1

 <400> 38136

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 gtctcctaca acaactgtcc atagcaataa tgaggcacct aatagtagtt gtatggggat 120
 acctcatgac aggtccctgg ggaagtggat accccaagat agaaaggatg agatgatttt 180
 gaagctagtt ccaaggggtc gggagctgca aaatcagctt caagaatgga cagagtgggc 240
 aaatcagaag gttatgcagg ctgc 264

<210> 38137
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944826H1

 <400> 38137

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 tgcattggtg cttgtggcac tggttgtggt tgaagtggg cccatggctg aggctgcggt 120
 gacttgcaac ccaacacagt tgactcgttg tcttccggca attaattcag gttctgcacc 180
 ttcgagtgtg tgttgccaga agctgaagga gcaaaagcca tgcttctgtg gctacctcaa 240
 aaaccctagc ttgaagcagt atgt 264

<210> 38138
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944785H1

 <400> 38138

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 agctggagaa ggatgatata ctgtatggtt acactttgga tgaactagtc aaagtgacat 120
 acaacaatgg gaatcctctg cctgaattca acaatgcagc tgaggtttgg aatcatgact 180
 tcatctggga atccatgcaa ccaggagggg gtgatatgcc caaactaggt ctcccttcaac 240

agattgaaaa gga

253

<210> 38139
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944786H1

<400> 38139

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 gtcgaggagg tgcagcagca gcgaagggaa agaagaaggg tgctacattc accattgact 120
 gtgcaaagca gtagaagaca agatcatgga cattgcttct ctcgagaagt ttcttcaaga 180
 gaggatcaag gttggtggca aagctggtgc tcttgggtga 220

<210> 38140
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944787H1

<400> 38140

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 caaaacggtt gagtcagaat cagtaacacc accacctgct gctgctgctc cttcacaggt 120
 tctctctgtg ctgaggctga acatgttctt gaggctccaa aggatgtgac tgaggagaaa 180
 tctgtaattc cagtgccttc ttctgatgac aagcctgatg aatccaaggc tcatgtcttg 240
 gttgagaa 248

<210> 38141
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944788H1

<400> 38141

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 tcatgctaga aaaccagctt cccttggttg ttctagacag actttgggaa ctcaattggg 120

aaaaccagaa tgaaaggact agtttcaagt ctagtactca gggtctttga ccctttaatg 180
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 actaaca 247

<210> 38142
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944789H1

<400> 38142

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 tggctcgatt ttcattggat gagatatcag aactgggtgc ctttgtgaga tctgcttcaa 120
 cattcaaaat tggatttoga gggacccgaa ttcgctgttt ccaccggaat cagggaggta 180
 tcatctctat gtatcatatg cttgtccttg ggcttccagg tgccatgctt acttgaatat 240
 caaagga 247

<210> 38143
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944790H1

<400> 38143

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 acatttctct tcctttctaa gcttttttcg attacccatt tggagattct gtcctaattg 120
 ctcttgcctc tccaaagttt cctccttttc cgggttttct cccaaaccca gtgttgggga 180
 tgctctgaaa aacccaactt gctctgtttc tctgagcttt gcgaatgtga aattgg 236

<210> 38144
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944791H1

<400> 38144

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 ccaacccatc aaagaatcca tcgtctcacg cgaaatgacg cgccgctaca tgaccgacat 120
 gataacctcg ccgacaccga cgtcgtaatc gtcggagccg gtcggcgagg gtcacactgt 180
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 aacagcgggc gc 252

<210> 38145
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944792H1

<400> 38145

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 cgaacttgag ggtcgaggcc atcctggaaa aagcaaatgc aatccgtcag gcattcgctg 120
 gaagcgatga agatgatgat gcagatagtt ggagtgattc ttgatctgac tatggaatga 180
 aaagtaccgg aacgagtcac tcacccctgt aacgaatagg aaaactacgt gatagtcata 240
 caaaagattc tt 252

<210> 38146
 <211> 130
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944793H1

<400> 38146

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 aaatggtaca agaaaacgac atggatgat ctcgccgttc ccatgatact atacggatgc 120
 gaaaggctat 130

<210> 38147
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944794H1

<400> 38147

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gtcgggtgttc ctctcccca aggttaccca ccgccggaat cttacggaaa ggacgcgtac 120
cctccgccag gtaccctcca cagagaggat accctccgca ggcgtatcca gcacaggggt 180
accctccacc ctacgcgcct cctcagtacg ctcagcctcc g 221

<210> 38148

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700944795H1

<400> 38148

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ttagattttc agctgctgga acc 83

<210> 38149

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700944796H1

<400> 38149

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ccaattcaca atacaattcc tacaatttca actccataag atgatttggc cgtgtcctat 120
aaaattattg tattagaacg ttatccatt ctatttccaa tatagctacg tttgttctaa 180
aacatcaacg gggtttctgt agaaatccta tcgt 214

<210> 38150

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700944802H1

<400> 38150

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agttccatga ttgctttgtc aacgggtgtg atggttctat gttgcttgat gatacaccaa 120
 cgatgctggg ggagaaattg gccctctcaa atataaattc gctgagatcg tatgaagttg 180
 tcgatcaagt gaaggaagcg ctcgagaagg actgccccgg agtgggtttcc tgtgctgaca 240
 tcataattat ggcattctaga gatgctgtct ctctgacagg tgg 283

<210> 38151
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944806H1

<400> 38151

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 gcattccaaa tggccactgt tgaggttgca cagcaaacac caacaactgt gacagagaat 120
 gaaacaacga ctgaggtaac caagattgag gaaactaccc cagaacagcc agccaccgag 180
 gttactgccc cagaaacagt caacgaagaa gcaaaaagagg aagcagcagt tgagactaat 240
 gaggcaacag aagttacaga ggaaggggaag gct 273

<210> 38152
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944807H1

<400> 38152

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 tgcattccga cggagtgcgc aaacgcagct ggggacgcta cgtctctgag ataaggctcc 120
 cgggccagaa aacacgcata tggctcggct ccttcggctc gcctgagatg gcggctcgcg 180
 cttatgactc cgctgctttc ttctctcaaag gaacatctgc cactcttaat ttccccgacc 240
 tcgtacactc cctgcctcga cctctctcat ctcc 275

<210> 38153
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944808H1

<400> 38153

aaaagatgta gtatcatctg tagctactgt tctttctgat ctctgtggtc ctggagagtg 60
 gatgcctatg gagaaacttc atacggagct gttggagcaa tatagcagtg tttggcacca 120
 caacagagtg aggaggtatc ttacatcaga agattggcct ggtcctgaat ccaaagggaa 180
 gccttggtat ggcttgctta tgctgttaag gaagtaccct gagcattttg tcatcaacac 240
 aaggtccaag ggccgtgtca ccctcgagtt t 271

<210> 38154

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944809H1

<400> 38154

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 actacaacac ccacaagggtg ttctttttct gcaactacat tctcttgggt gcagcttcta 180
 gctgcatctt cctcaccctc tctctgcgcc tcattccctc tctctgcggc ttcttcttca 240
 tccttcttca ggtctttacg attgcggggc cggt 274

<210> 38155

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944810H1

<400> 38155

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 agaaaaaat gaatgactca aactccagca gtatcagcca cagaaccgaa cccattgccc 120
 aaaacatcat caacctcatt agcaacctct gcttctccct ctctgtcttc tctgtcttaa 180
 tcttcaacgt catagccata acctaccagn ncccagaccc atgggtccag tccaccccag 240

ccctaaccac cctcttcacc caatcagaa

269

<210> 38156
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700944812H1

<400> 38156

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aattattgaa attgaataag taaacaattt aattggattg gtcgaatggt atcaaaaaaaaa 120

tggagtacta actcccattt cttattttatt attgaattaa ccgatcaact tgcttttgta 180

tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa atttgaatct atttttatat 240

gcgaatcaat cctactactt ctggt 265

<210> 38157
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 700944814H1

<400> 38157

gtatcagcag tctatggctt ttgatactag taacgcttcc caagacttat gctctagacg 60

atggacacaa gagctactcc caagaacaac ttgtgtccat tcgtctttg 109

<210> 38158
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700944815H1

<400> 38158

cttcaccctt tgcctctgaa agaaatgggt agtcttgaag cggcaagaac aacagtagga 60

ttggcagcaa gagacccttc agggattctc tccccataca cctacaatct aagaaacaca 120

ggccctgatg atgtttacat taaagttcac tactgtggaa ttgcccattc tgatctccac 180

cagattaaaa atgatcttgg catgtccaac tatcccatgg tcccaggaca tgaagtgggt 240

ggtgaggtac tggaggt

257

<210> 38159
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700944817H1

<400> 38159

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aggcaccaat tttggtcctc aatttgttcc ttgtcctaata ttgttccaca gcttcttccg 120
tcaacgttgt tgaatcaagg aaacttgatg agaccactcc agtgccctgcc acaaacggta 180
ctgaagaaaa gtgtggatca tgtggtggta ccacttatcc gtcgccaccg ccaccgttac 240
taccaccacc gtcgccacca ccgccttca 269

<210> 38160
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700944818H1

<400> 38160

gatccatccc agtgactgag aatgcgagtg ctgtagaaaa tgggtgtgtc aaggacgcaa 60
gctcagccta tatcgacaaa gccaacatcc aatgggtgca atgaagatca ttctccacaa 120
ttaggcggac gtgtacaaga cactcagagg tcacagagct ggtgaggctg ccattgtata 180
tgctacatgg agctgacgtt gaggcactaa tgccaaaact gcggcgatct gattactaca 240
gactgcctcg gatacatgaa ctggcagcca aagaa 275

<210> 38161
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700944784H1

<400> 38161

gtttctgcga ggcttaagaa acctcgaga accaaagaaa actcactctc acacactttg 60

gttcacaaaa accttttca tctattttca atagtttctag ttccatctcc catattatag 120
 taccctttta tcccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180
 cgctttgtta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240
 ggaatgtgtt gagg 254

<210> 38162
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944822H1

<400> 38162
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 ttgcgcaaat ccatgcatgc attgcatgac ttaaagccat ttactgttca tcatatgata 120
 tgaatcgggtg gctggctgaa ttgtatctaa ttgtgtgatt agagttgcaa atagtgtgac 180
 tctaacaact aggaatttgg ggtaaactgc atgacagcaa cctgtaattt ccatttgata 240
 atattaacca agtacagaac aagcatttga tttcttcgac aatc 284

<210> 38163
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944825H1

<400> 38163
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 atctgggcca tgactgaact aataaaaaat ccaagcatta tgaagaaagt gcaagaagaa 120
 attagaggct taagtggtaa gaaagatttc ttggatgaag atgatattca aaagttttcc 180
 tacttaaggg cagtgataaa agagacactt agattgcact taccagcacc actacttata 240
 ccaagagaaa caaataaaaa atgcatgtta g 271

<210> 38164
 <211> 84
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944752H1

<400> 38164

gaagatggct tcacgcaggc tcgtatcttc tctgattcga tcctcccttc gtagatctca 60

atcgaagccc tcaatttccg cata 84

<210> 38165

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944753H1

<400> 38165

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cttacatgtg gaccttcaaa tacgtcagtt gatgaatcca ttttgattga gaaccaagaa 120

agggctgata tggtgccaat gatggaagat ttagtgtaa tcagttccac gggaagccaa 180

gacatatagt agatcctgct cgagacctct ctattcaagt tttagagaag tcttctcttg 240

tcacaagatt tgcc 254

<210> 38166

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944754H1

<400> 38166

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ttttttcatt gtaacatgtc ttcctcagag ggtgtctttg aacagggaat tgagttctca 120

gaagccaaaa tgttcttctc atgtctctaa tggaagaaga acaagaagaa gagtactatg 180

gcgatgatag acttgtgagc atgattcaat cattggaggc agagatcact gacaqtgaaa 240

tgggtcaaatt gt 252

<210> 38167

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944755H1

<400> 38167

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 attgttcttt ttgtcttaga tgtgtattta actcaaataa caagattttc tcaggatatt 120
 ctcaaattga aagggaatct ctgatttcag ttatttcttt cagacctcta agaacaggaa 180
 gtcatatgct tggattctgc tttaactcca gaagaactag tgcattctgc gatagagtgc 240
 ttacctacat ct 252

<210> 38168

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944756H1

<400> 38168

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 aaaatcttca aaaggaacct cgtatcatgg aacttaggaa tcaatgtaga ataattcgga 120
 caaccgagta gctgctgcta aggagaaact aaatgagctt gagaagcaga aagaagacat 180
 gatgaaattg aattccgcag catcccatct ccaaaggatt caagagtctg tgaataagac 240
 cgacgaggaa tc 252

<210> 38169

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700944757H1

<400> 38169

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 tttcaatttc aatcactact attattactc atttcacgct ttgcttctc gatttttaaa 120
 ccctaaatca tctatctgtc taatagataa gatagggcaa aaacaaaaca aaacaaaata 180
 aaaccctagc caaagaaaga ccttgttgag cagcagcagc agagagagag aggcatatgg 240
 aaggagtacc gca 253

<210> 38170
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944758H1

<400> 38170

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 atgatagaga ggctgattgc agattcagct acaatatgtc aaggaatgcc agccaacatt 120
 gctgtagata agtcttgcaa atattggatt taattttgat gt 162

<210> 38171
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944759H1

<400> 38171

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 tcttagccac ttttaattctc cacgacgagg aaatcccagt caccgctgag aagatcaacg 120
 ctctgttgaa ggcttctaat gtctccgccg agtcttactg gccagcctc ttcgccaagc 180
 tcgcccagaa taagaacatc gaagacctca ttttgaacgc cggcggtggt ggggccgccg 240
 ttgcagttgc cgct 254

<210> 38172
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944761H1

<400> 38172

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 agaagtcacc taatggacct tcttcatgca cagagggcaa a 101

<210> 38173
 <211> 222
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944762H1

<400> 38173

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gtattcccct tagtgcgatt caacctccac cttctcccta aagacccatc aaactttaca 120
aaaaaaaaaa aaaggaggaa aaaaacaaaa acaaacacaa agggattgag gcaccagggt 180
ttacccttct attccagtct attcagatcc cccaattgg ca 222

<210> 38174

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700944764H1

<400> 38174

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actatgagaa gattgtccgt gacacatgcc gagaaattgg attcatctct gatgatgttg 120
gtcttgatgc tgaaaatgca aggtgttggt caacattgag cagcagagcc ctgatatcgc 180
ccagggtgtg cacgggtcact tcaccaagcg cccagaggag gttggtgctg gtgaccaggg 240
tcacatgttt ggctatg 257

<210> 38175

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944765H1

<400> 38175

caaccgggtg ctctcttctt cagcatgttg gttggctgtc tcatagtcgt gatgggggtt 60
atatttgtca cccagcactt gaattccaca aaggggaagc ctcgcccctc atccggttca 120
cggtaaaaag ccgaattgaa attatactcg cttaactttg caggcactat tgaagaaaca 180
gaaaacagtg agctctgcgc aaccagtgga gagtcaaaag tattcaaaat gcgtagaatt 240
taaggaaatt ttgaggaggt 260

<210> 38176
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944766H1

 <400> 38176

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 attgtcaaga ctcttcaaga aacttgggac aaagttgatg ataagtatgc agtgagttca 120
 cttgccttgg tggggtgatt gcattgtggg gctcagttgg attgatctca gcaattgata 180
 ggcttccttt gattcctggg attccttgaga ttgtaggcat tggatacact ggggtggtttg 240
 tatacaagaa cata 254

<210> 38177
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944767H1

 <400> 38177

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 actcttctgg agattctgct ggataagtta aaactgtgca aaggcatatc ctatgcagca 120
 gttgctgcta tgcagacaaa aatggccgac gaaagttatc tgccttgctt gttgaacatg 180
 tgcctcgttc atcgaaacag gttcctctcc tggttaagcat tggagaagaa gatatagcct 240
 tgatgaaggc aa 252

<210> 38178
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944768H1

 <400> 38178

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 tacatcgga aacatatagt ggaagcaagc gcaaaggctg gaaatccac ttttgctttg 120

gtgagggaac cacactctct gacccctcca aggcacaact catccacaat tttgaggctt 180
 tgggcgttaa tttggtccgc ggggatctgt acgatcatga gaagttggtg aaagctatca 240
 agcaagtaga tgtc 254

<210> 38179
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944769H1

<400> 38179

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 tcacatttcc acaagagaga agaatgctga tcaaggaacg ttcgtccgga atgtaccgtc 120
 tttcttccac tttctggcca gaacagtagg agacttgcca atagagcttg cacttccaac 180
 tgcatttgct atcataatct attggatggg agggctcaag cctcatccag ttaccttcct 240
 cctttccctc ctt 253

<210> 38180
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944772H1

<400> 38180

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 gtattccttc aacacccatc agattaatgg caaaagctat cctcttgagc aacaaatggt 120
 acggatatga gcaattctgg gtcacacgtt cttacccac aatacagaaa ttcagcccta 180
 ggatcatgga tctcaaggtg aaggcagcaa cttccttgaa ttcaaagcc aaaagaagg 240
 caaatttggt tg 252

<210> 38181
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944773H1

<400> 38181

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 gaaagaccta ccttttgaga attgtcaatg ctgcactcaa tgaggagcta ttcttcaaaa 120
 ttgctggcca caagctcact gtggtagaag ttgatgccac atatgtaaag ccattcaaga 180
 ttgaaacaat tgtgatagcc cctggccaad ccaccaatgt gcttctaaat gcaaaccaaa 240
 aatctggcaa g 251

<210> 38182

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700944774H1

<400> 38182

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 taaattgaaa attcgtgaat gtttgtaatc tctttcactc tttgttttgc tcggttcttg 120
 agattgccta agcttcatta cttcaagtca tccattttta aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa acaaaaaaaaaa aaaaaacaat caaaaaaaaaa gaaaggg 237

<210> 38183

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944776H1

<400> 38183

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 ggtgctaata ttaataaatt ggaagaggtt ttaatttctc tgcctgatta tgcattctga 180
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 atcatatata ta 252

<210> 38184

<211> 250

<212> DNA

<213> Glycine max
 <223> Clone ID: 700944777H1
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 ttggataaag cagctcaacg atcatctcga ggccatcgat cccgagatcg ccgacataat 120
 cgaactcgaa aggcgcgtca atggaagggg ttcgaactta taccttcgga aaatttcacg 180
 tcgctgtcgg tgatgcaagc agttggatcg gtgatgacga ataaatacag tgaaggatat 240
 cctgggtgcta 250

<210> 38185
 <211> 98
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944778H1
 <400> 38185
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 ttttttttga acaggtgggt gtgagtgcaa tgtgccca 98

<210> 38186
 <211> 122
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944779H1
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 ccgaacaaat cattcaattg caatcatcta tggcgtcttt cgacccgagc gtagattcta 120
 gt 122

<210> 38187
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944780H1

<400> 38187

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aacacgaacg tagatgggaa gcagaagata atgttcgctc ttacctcaat caaagggtatt 120

gggaggcgat ttgctaacat ttgctgcaag aaggctgatg ttgacatgaa caaaagagct 180

ggtgaactga gtgtgctgag ttggatagtg tgattaactg tggttgccaa ccccggaat 240

tcaagattcc ggactgg 257

<210> 38188

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944781H1

<400> 38188

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ggccactaaa tcccaggaag cacctccaaa atttggaact cctgaacgct aaagactgat 120

tgatgagata cacgagtata tgctaagcaa gtcatccctt cttccacaac ttgccccctc 180

acaagcttct gaagaacaat ccaaaactga ggaggccaag gccaggtta atttggaata 240

tcccagggtt ttaccctgtg g 261

<210> 38189

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700944782H1

<400> 38189

ggcttctatg atgacacttg gttttttgta atgacaagct gtttttggtt gggaagggtt 60

atgcttgtag aaaattaata catgtacatg ttacttctct atgtccaaat aaacactgat 120

tttgcttgt gtgttc 136

<210> 38190

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944751H1

<400> 38190

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 tgcagctacc ctaatctaca agcaaccctt gaaaaattcc agtgtaaaaa atctcaccct 120
 tctcaagcca actttgccac caataaatgc cacacgcttt gtggcaaact tcacagcaaa 180
 attcagaagc ttggctagtgc ccaaattccc tgccacggta cctcaaaaag tggacagaaa 240
 atttttcatc catgtggggc tagggactag tcct 274

<210> 38191

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944783H1

<400> 38191

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 aagcaaccct tgaaaaattc cagtgtaaaa aatctcacc ttctcaaacc aactttgcca 120
 ccaataaatg cacaagcttt gtggcaaact tcacagcaaa attcagaagc ttggctagtgc 180
 ccaaattccc tgccaaggta cctcaaaaag tggacagaaa atttttcatc actgtggggc 240
 tagggactag tcctt 255

<210> 38192

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944718H1

<400> 38192

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 tcatgcatcg cctcttccc ttccctttca agtgagtctc atcaccttac ttcaacaccg 120
 cggcgaacga caatatccgt attcagattt gctcaccgtg gacaatagtc atcatcgatc 180
 cagattcaga tctgctcata acgcacaacg actatcgatc tagattgggtt cgtgcggttg 240
 ttctgtgata ttggatcaga t 261

<210> 38193
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944720H1

<400> 38193

atataattgt gctatccagc tattcaccat ttgtgaaata cactcctcaa tacatgtggc 60
 ttaaagaaga gctgaagcga gttgagaggg agaagtatcc ttggctcatt gtgctcatgc 120
 acgtgccgct ctacaatagt aatggagctc actatatgga gggtgaaagc atgcgatctg 180
 tttttgagag ctggttcacg gagtacaaag ttgatgtgat ctttgctggc catgtccatg 240
 cttatgaaag atcatatc 258

<210> 38194
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944721H1

<400> 38194

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 gcctctactg tgccaagctt gtgtgatgag aaaaaggaga acatgaattt gaaggctaca 120
 gagttgaggc tgggtctccc ggatcccaat cgcctgaaag ggagccggat cttttctctt 180
 taagcccagc aaagcttgat gagaagccac tggtcccgctc tttagtagga agcaaagggg 240
 acagtggctt cct 253

<210> 38195
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944724H1

<400> 38195

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 tctcaatctc agggaagtcc cagaagcaga taaaaccttg ggcttggaca tggccaaggg 120

cagcgcattc tcaagatggg tgaagggttg acatgcatca taactaaaac tgaggggcct 180
 gatgctggca aagttttcgt taaatgtggt gaaaattgca cctgtaccat tgagggcgaa 240
 cagtgtccca aga 253

<210> 38196
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944725H1
 <400> 38196

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 tggagttggt ctcaatggag gcttcaacaa gggaatttac tccaagcctg cctttgccaa 120
 tctcaacaaa atattaatct caatatcaat cctaagggac acaagggcaa ggttgaagat 180
 gagctttttc acccatccaa atcttccaag aaaaacaaca acctcaacaa aaaacatggg 240
 gacaacaaca aca 253

<210> 38197
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700944726H1
 <400> 38197

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 ccgtcgatta ccctagtttc aaactcgtca tcgtcgggtga cggtggtaca ggaaagacaa 120
 cgttcgagna aaggcatctt accggtgaat ttgagaagaa atacgaaccg accattggag 180
 tggaggttca cccattggat ttcttcacaa actgtggaaa gattcgcttc tactgtaggg 240
 atactg 246

<210> 38198
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944727H1

<400> 38198

ctaattaagc aacacacact tcaattttatc agcatggcct ccgttcagtg ccacaaaacc 60
 tgcaaagtga gctgccaaca ggaaaaccag cagcctcgt ttgggcagaa agtttctgac 120
 ttgttcaaag gcatcaacat aatgaccaca gctccaatta tgccacccaa accaaagtgc 180
 tttcccagtc agggtcaggg ttaggcccct tcaccaccag aactcaaaca caatgcggtt 240
 gcccccaaac acatc 255

<210> 38199

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944728H1

<400> 38199

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 gtaacaaaat ggttgaagt gttgacgctt tgaatgaggg ttgagaatc aacggagcag 120
 ttgaaccgtt cctgaggact ttgatgcaac agctgtaatc atagatcccg tgccatctgc 180
 agtagtagac aatggcattc tgaaggaggt ggcgcatac aataaaggat aagttaatag 240
 agatctagta ctgg 254

<210> 38200

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944729H1

<400> 38200

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 actctacccc ttccacgacg ccgtcgtttc gggcctcctc tccacctcca tccgcgcccc 120
 actcgattgc ccctcaacta cgcgcgcgct acttggccaa cctcatcccg ccctgcgtgc 180
 agcgcgtggt gtacctcgac tccgacctcg tcctcgtcga cgacatcgtc aagctcgcca 240
 catcctcggt gg 252

<210> 38201
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944730H1

<400> 38201

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 tcttaccgat gtggagtcct tgcaatttga tttggctaca attgaagctg ccacgaatgg 120
 attctcggat gagaacaaga ttggccaagg tggatttggg gtggtttata agggatcctt 180
 ccctaacaga caggagatag ctgtgaagag gttgtcagta acctccttgc aggggtgcagt 240
 aga 243

<210> 38202
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944731H1

<400> 38202

agctgaacct caaaacccta gctgccggct tgtctgcaac ggcacggtt cagtatctcg 60
 ttatgattag ttgagaatcc aaaggaatcg aatcgaatca tctcgacgag aagcaaaaca 120
 ccggctatag ttagtacaga gagcgaggag gcgtcggatc caaatcggag gtaacttccg 180
 ttgatcggaa gcgaatcaat gacgtcctcg ataaacagct cgaacgatcc tcgccgtcac 240
 at 242

<210> 38203
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944732H1

<400> 38203

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 gtttgatgtc actggattg tactttgctg gcaccagaat gttctccttg cacttggggtt 180

tgttttcata tttggtaca ttgaggttct cttcttctct gcttctctta tcaagttc 238

<210> 38204
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700944734H1

<400> 38204

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catggagatg gagcgcacatg ttgaattccc tcacacatac atggagacga ccccgagaa 120
agagagcgcg tttgggctgg gacatcgctg aggtcccaa ggctcaggta ggattgtttt 180
gtggacaaga ggttgagaat atttcaagct ttgtccttc agaacatccc cctagtcttc 240
tgtttaaggg agttgctcga a 261

<210> 38205
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700944735H1

<400> 38205

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ttaaatggac gctgcattta tcttgtctga atgatgtgct ctgggataac aacagagggg 120
aagatacagt cgctactctt cgttattcat tttgcgatag aggttactga agtcattgtca 180
tagatgtctg tgtgtgtgat cgtattcagt tgatgacagc aggtgtgtgc tcagttaagc 240
ttgggaattt gatcgactct gc 262

<210> 38206
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944736H1

<400> 38206

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gaaatcgaat ccaacgtttc agccatgggt tccgattcaa tcgccgccgt accgattccc 120
 tccgccgcaa caccaagaac ccggggaaga agaagaggac taacagggtcc gcgaaattga 180
 agcagtacaa aatcgatgcg cgccggagca atgggttatct caagggtcgg tgaagagcaa 240
 ggggtgcaag gacgga 256

<210> 38207
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944738H1

<400> 38207
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 acgggtgcaga aggctcatca agcaacattc ccatagata tcagcagcag caacagcaga 120
 gtccagtga cttagccgct atgagtcaca gaagagaagg gactggaaca cttttgggca 180
 atacttgaag aaccagagac cccaggttcc tctctctcag tgtaattgca accaggtgct 240
 tgatttcctc cgta 255

<210> 38208
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944739H1

<400> 38208
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 tgtgttcagc agtccatag tgtcgccgcc ggaggagctc gttgccgccg gcagccgtac 120
 accgtcgcca agatgacggc ggcggcgctg cggaagtggg tcgaggagaa gaaccctcc 180
 gcagtgtcgg tggagggtcgg agagcatgtc cagctcgctt ataccacca gaacgagtcg 240
 ccgtttcagc 250

<210> 38209
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944742H1

<400> 38209

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gaagtctagt accggcagaa tttttggaaa cagagtacta ccaagatctc aacagcgtgg 120
acaaacacac cagacgactg gaacaggatc tatcaaagta gagaaaaatg gaaatgactt 180
tcacatagaa ccagataatg aactgggtg ccatcactct tgcaaggga atccagcaac 240
caatgattgg g 251

<210> 38210

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944744H1

<400> 38210

acgacatttc ataaaatggg gagagaaaaa gttattctga tagactcaat actgcctttt 60
ggtttcgagc tgttgatgtg tgatactgac atggaaatta gaaacccccca gatctctcaa 120
ttgtttaacc acgtcagaat aaaatccatg aatgcatagt taccaaaggt cactattaca 180
gcattatcct tcaccctttg ctgaaccagt ttcttggtca gcctgatatc ctccaaaggt 240
ggcatctttt t 251

<210> 38211

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944745H1

<400> 38211

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ttcccactcc tcactagtta actctttttt attatttttc tgacaccaag cttgatcaaa 120
acgtacggtt caatggatcg cttttcttcc agtaccattc tccccttagc gtttcaaggt 180
gccaaagatg acttcacat gcagcttgca ctggtgtgga accaaatcaa agcgccactg 240
attgtgccgt tgct 254

<210> 38212
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944746H1

<400> 38212

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 aaggatattg gtatccttat tgtgaattgc agcttgttta accctacccc ctcaactgtct 120
 tccatgattg ttaacaagta caaattaagg ggtaacatta ggagctttaa tttgggaggg 180
 atgggggtgca gtgctggagt cattgctgtt gatcttgcta agggactttt gcaggtccat 240
 aggaacacat atgct 255

<210> 38213
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944748H1

<400> 38213

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 gaagcatggc tcagtatggt tacgcatacc gaagcgctca aatatccacc tacaacacta 120
 gcactgtgag aacattgaaa ctggtgcaaa gccatttgct ccctacgtcc ccaaatttag 180
 taacggtaat ggttactcag acgggatcgt taccatgaaa aaaataattc cagttgctag 240
 c 241

<210> 38214
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944749H1

<400> 38214

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 cgggcattac ctctgtgat tcaaattattg gcagctgagc acaaatggga caagtcaagg 120

cagaaggaag agagttttaa gctaaagaat ttttgagac ttttaaacc tccagaaatg 180
 ctcaattcta tgatgggaag cacaattagc tctggatttg accaagaagg gagtgacctt 240
 ccaaacatgg tattattgc 259

<210> 38215
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700944750H1

<400> 38215
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 agttgcagag agaaaatgga ttgagaattc tctctctttt ctctttctct tcccaacttt 120
 ccttccttgg gacattctgc ttctttgcta tggaagactc agattcagtt gctacgctga 180
 tagattccac aacttctaag atctannagc tgcaaaaggc atttgctgaa cttgaaagtt 240
 accgagctgt tac 253

<210> 38216
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944717H1

<400> 38216
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 aggctttatg agcttgggca ggtacttaat ctaaacacag ctttactttt gtctgataat 120
 tttttattta taatatattt ctattcatag tcaaaatagt tcgaatgaat ctctgttctt 180
 gacctgaatg atccaaatcc ttccaggaaa atgcacataa cttcatagtc aaaattcact 240
 gtgcttatta ttctcattca g 261

<210> 38217
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944685H1

<400> 38217

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 ggcattgcat tcggacgctt ggatgattct ttcagtttaa cctcaatcaa ggcctatatt 120
 gctgagttcc attcaacctt gctctttggt tttgccggtg ttggttcagc catagcctat 180
 ggtaagttga catcagatgc agcacttgac cctgctggga cactggcatt tgctatgtca 240
 cgggggtt 247

<210> 38218

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944686H1

<400> 38218

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 ttgatgaagc tatttctgag cttgacacct tgaatgagga gtcatacaaa gatagcacct 120
 taatcatgca acttctcagg gacaacctaa ctttgtggac ttctgacatc ccagaagatg 180
 gagaagatgc ccagaaagtg aatggcactg ccaagcttgg tggaggtgag gatgcagagt 240
 gagtcc 246

<210> 38219

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944687H1

<400> 38219

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 cattttcagc agcaaacctg tgctgatggg agcatgtgga tggagagtca gggtcagcaa 120
 cagagctatg ccttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180
 aagcaattcc caggcatgca catgaacatg aacaacaaca acaacaacaa aaggcttgggt 240
 gctttttg 247

<210> 38220
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700944689H1

<400> 38220

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catccatctt cgtttttctt cttctctctt tcccttcgat ttccatttct cttttctttt 120
ttttttctct ttatttatca ctattattat tcattcttct ttctttgctt taagcttctt 180
tcgatttttt tctctcccggt ttctgctgtg tcccccttta gatccctctc tggatcacag 240
tgag 244

<210> 38221
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700944690H1

<400> 38221

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agagcactga ggcagttcac cttcggaacc ggcaagaccg ccggtcgcaa ctcggcgggg 120
cgcataactt ccttccaccg cggcggcgga gccaaagcgt tgcaacgaac cgtcgatcac 180
aaacggaata ctgcttcttc tctcggcgtc gtcgaaagga tcgagtacga ccctaaccgc 240
tcctc 245

<210> 38222
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700944692H1

<400> 38222

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gggcagctat ataagcgttt gtttgctacc gtgattaaag ggaattcaag caacaacctt 120

tcttatacag attccatcag cacagaactt tgtcgatggtt acgaataact gctcactgaa 180
 gatcttgaag cactactata atcactcagg ttaattgcaa gggaaacaaa atggaacgcc 240
 aactg 245

<210> 38223
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944693H1

<400> 38223

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 taaacataaa ctgaatttgc caaatcccct tcccaatttt caccaaaacc taatactccc 120
 aaaccaatct tcgatcatgg ccgccgaatc acaacctcaa ctaatcgaag agagaagaga 180
 ggagcaagaa cttaagtacc tggaatttgt gcaattcgcg accatccagg ccctgatgcg 240
 ctgcg 246

<210> 38224
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944694H1

<400> 38224

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 gaggatgtcc ttcaagcctg gtacatggat gatagtgatg aagatcaaag actccccac 120
 cacaaagaac ccaaggagtt tgtctcgttg gaccaacttg ctgaacttgg agtccttagc 180
 tggaaactag atgctgataa ccatgaaaat gatccagagc tgaagaagat tcgtgaagag 240
 cg 242

<210> 38225
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944695H1

<400> 38225

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 ctgcacctgc aaccctgca cttgcaagt aggtgttga gagctaaagc ttcaagcaga 120
 aatggccctt agaaataatg ataaaaacta tatgtagttt caaaacttca aaattatgta 180
 gtatgtatta tgttgactc tgggtgtttg tgtctaaaca aacaccctta gaataaagtg 240
 gt 242

<210> 38226

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944696H1

<400> 38226

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 tccaagggaa gtgaagggat acagaaaaga ggacttcagg attctgtggg tcccagttgt 120
 ggatgagtgg aatcttctgc acaaggccga gtatgataac ctgaagcttg aaatgccgtg 180
 gtatgtggcg gaatacttct accccttggc cggaataagg ctcataaggg aggacttgaa 240
 ttaca 245

<210> 38227

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944701H1

<400> 38227

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 gccaaactgc agtaccaaaa gcagttactt gtttgccagg tgcttgaact tgaagcaa ac 120
 gaagcaaatg gccacacata gacaatgaag agtactcatg tgaaccggag gagccccaga 180
 tttcgtggca aatagcattt aaagagcagc ggagcagat tcttgaatta tgggatctat 240
 gttat 245

<210> 38228

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944702H1

<400> 38228

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 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaaactcc tgcaagtgcg 120
 gcaacggctg cggagctgca agatgtaccc agacttgagc tacactgagt catccaccac 180
 cgagaccttg gtcatgggag tgcacactgt taaggctcaa tttgaggggt ctgaaatggg 240
 tgtgcccg 249

<210> 38229
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944703H1

<400> 38229

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 gaagcaaggg actctgtgag tcaccaccag aaatatctac tactgagagt gacatctcat 120
 tttcaaggta cactcctcaa tgcctcggag acagctcttt ggagatatgc aaagagagcg 180
 ctgccttgaa agtgaacata ttactattc tgatcacggg gattccttca gctgctccaa 240
 ctttgttgac ctggattggc t 261

<210> 38230
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944704H1

<400> 38230

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 ttggggcgcg ccgagatctt cttctagaaa tctcgcaagg ttcttctcaa tgcgattcgc 120
 gtgcaactct cgccaccata aaatattgca tgcttcggtt tctcaccctt catcactctc 180

catttctcac gactcatcta ccgagactga gagtactttg atattgattc gtcattgggga 240
gtctttgtgg aatgagaag 259

<210> 38231
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700944705H1

<400> 38231

catattcaaa tggaaacaat tccagtgaat tatagtagaa tgcaccctat tttatttttg 60
aatattctaa gatacaatgt agcattgccg ccacaaagga tactaccatg taggcttaaa 120
ttataagaga tacagatact ttatctcagt tgatgctcaa cattctcttg ggatttcattg 180
attcggttaa ctcatgttct attgtttggg aagtaattgt ctatatgtgc atattgtgat 240
agattatcca tgtgg 255

<210> 38232
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700944707H1

<400> 38232

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aaggcggcga aggaagcagg ggtggagcgc gtgggtggcga cttcatcgat ttcgtcgatt 120
atgccaaagtc taattggcca gctgataaga ttaagggaga agagtgttgg acggaccttg 180
aatactgcaa gcaaaagggg ttgtattatc ccattgcaaa gactctagca gagaaagcgg 240
gttgggactt tgc 253

<210> 38233
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700944708H1

<400> 38233

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agctgcaaca tctgggtgctg tgttaaattg gttgggatct tccttcttga gtggaggaaa 120
caggagccaa cccttctggc ctctgctatt ggaggcaaag ttgggtgctgc tgttactgtt 180
aatcccagaa gactcattgt ggtagctgct gctgcaccaa agaagtcatt gctccctggc 240
gtagaggtg gtgg 254

<210> 38234
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700944709H1

<400> 38234
ataaaattta aaatttgtaa gaaacggaaa agaattgatt tgaattgaaa tggtcaggac 60
caggaattaa cttaaataa tatgaaataa aaaaaagtta tttttttaa aaattcactc 120
ccctcctttt ttaatacctt ttaaaaattt gtgtgattat tatgctaagt aggaagtgtg 180
aaaagcaaag ccaaaaaagc tgtttctttc aaatgtttca tcttctcttc ttctccatac 240
attgt 245

<210> 38235
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700944710H1

<400> 38235
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acttcacttc cactgaattg caagttgcag caaagagtcc atctgaagca ggtacttcct 120
aacaaggttg ctgctgctgc taactacaaa gtggccacag tatcttatga actcaatgtc 180
ctccgaacaa gaggtccaag gcgaatgcgg tgtatgatgc acttaatccc catatttgca 240
atccaagaag gagg 254

<210> 38236
<211> 227
<212> DNA

<213> Glycine max

<223> Clone ID: 700944711H1

<400> 38236

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gctgggtggg tccaccaatg aagtcattgt cctccactt agtgggtcac tcaactcaact 120
gctgaaacca atcgagcttt gtcttaaaga aggggtgcaca tgcaaattaa attaaaacat 180
gttcctgcta ccttaattgg aagaataaac atgcagtata gtagtgt 227

<210> 38237

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944712H1

<400> 38237

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ttcatgatca tgttaccag cagtatcata aagccagaaa atgttggttt gtctctctca 120
tatggcttgt cattaaatgc cgtgatgttc tgggctatat acatgagctg tttcattgaa 180
aacaaaatgg tatctgttga gaggatcaaa cagttcacia atattccatc ggaagcttca 240
tggaacatta ag 252

<210> 38238

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944713H1

<400> 38238

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gattcctatt tcttcatgcc ctcttcatag aaaaaggcg tcttgagaca acatggactg 180
tgctcaggaa gtttgatgat aatgatgata tcaagcttgc tgatgatcta attccaccta 240
taaagtg 247

<210> 38239
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944714H1

<400> 38239

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 cgtattgatg tcgaaaaggg ccggccactt ccaaaatttg gtgaatggga tgtcaatgat 180
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 ggtggta 247

<210> 38240
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944683H1

<400> 38240

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 tggttgttgt tttttatcgg ggtgacgggt ttcttgtaga ttatttggtt attaaatcga 180
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 cgtgggaa 248

<210> 38241
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944715H1

<400> 38241

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cagtatatgt cgggagaaca tgaagaggtt tgtgatccct gtgtcatact tgaaccaacc 180
 ttccttccaa gacttggtga gtcaagctga ggaagaattt gggatgatc atcccatggg 240
 tggccttgca attcctta 258

<210> 38242
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944716H1

<400> 38242

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 caacctgtac caacttatga aaaacaggga aaagctgttt tctgaaaatg aagttagaaa 120
 ttggtgtttt caagtttcca aggttttagct tacatgcacc agcgtggata ctttcatcgt 180
 gatcttaagc ctgaaaactt gctggtcacc aaagatgtca tcaagattgc tcgatttggc 240
 ctagccagag agatcagt 258

<210> 38243
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944654H1

<400> 38243

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 agattgaagt gggcactaga ttctgacaaa tatgtttag taggggtttca ggaaccctat 180
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 ttatatattt t 251

<210> 38244
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944655H1

<400> 38244

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 cgtgttttggg ggaatagttg gacaagaggt tgtcaaagca tgctccggga agtttcatcc 180
 actttttcag ttcttctact tcgactctgt ggtatcactg ccttcagaac cattggaccc 240
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<210> 38245

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944656H1

<400> 38245

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 catcaatttt ttgagggat ggggcttggg ggttgcatat ctcaggcaaa gtttgagtcc 120
 aagtctatgg caattatggc aacctttttc tctactgacaa cccaattgg gatagcaatt 180
 ggaatggggg tgtcaagtgt gttcaaagag aatagcccta ctgctttaac tgttgaaggg 240
 attttcaat 249

<210> 38246

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944657H1

<400> 38246

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 tggatgaaaa ctcttatgg tcaccttcaa aaccagtcaa ccaacgtgat gctgatctca 180
 tccatttttg ggataagttc cgcaaagctc ctgaggggtc tctcaggaaa aatacagctc 240
 agaaaca 247

<210> 38247

<211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944658H1

<400> 38247

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 gaaggttgtg gacagtgggc ctgatgatca tatatttgta tactatactg accatggagg 180
 tcctgggggtg ctcggggatgc ctgctgggtcc ttacttatac gcggatgac tgattgaagt 240
 cttgaaga 248

<210> 38248
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944659H1

<400> 38248

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 tttgtctgtc cagaatctac gactgtcttg gaaaacagtc tattcatact aacactacaa 120
 agaaacaaaa ggaagattct tttgtcaagt cttgggaagc ttattttgta gtttattgct 180
 tattgcaagc tcttacgggc ctattgactt taagcaaatt gattttgttg ataggctata 240
 tgttgta 247

<210> 38249
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944660H1

<400> 38249

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 tcgccgccca cgccgcccac gccgccacg ccgccgagat cgccgaacaa gttttccact 120
 gctccgtcga aatcgggcgc catctcctcc tcctccgctt cgtcatcgtc gtcgtcttca 180

tcgtattaca gccctaccgg ctccggtgaa tctggccgga gatacagggc tccggcgctg 240
gtgtcaga 248

<210> 38250
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700944661H1

<400> 38250

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gatcagttgc cggggaaaaa ggaggagcag cctacagcca tgaatgcatt tgagttaatc 120
tcaatgtcaa aaggattgaa ccttgaaacc ttgtttgata ctgacagggg ttttaaaggg 180
gacacaggtt tcccctaaat atcctgtggg gatgagatac tcaacaagtt t 231

<210> 38251
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944662H1

<400> 38251

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aagcatgcta ctgcacttgc tgacagtgtt gctgttaaga ctggcacacc cgttggctctt 120
attgaagaca aggttccttt gtccactttc gaccacccgt tccttaaact taagcatatt 180
gcttctcaga tgatgaacac acctcacggt gagcatcacg cacacaacac agcaatctcg 240
atcctcg 247

<210> 38252
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944663H1

<400> 38252

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ttgttgacag acccgccgaa ggaactaggg ctgcatcatg ttgttcataa gtatttgagc 120
 tgtatttgca ccccccaatc ctttttaatt aatcatgttt tctttgggtt gtatgtacta 180
 cacactttga tgtcactggt atgtggagct ccaacaagtg gtatgggctg caatttacia 240
 aacacaa 247

<210> 38253
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944664H1
 <400> 38253

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 gataccacag agatattaca gagagagtac cctttgaatc tgctgtgctg aaaggagact 120
 aggagatttg gattaaaata agggtagatg gaaatgtggg atctcttttg gagcagtgtt 180
 tctatagttg tgggaaatag tctctcgat ggcggcatca aatataaacg ttgagtgttg 240
 gtttgcacg gaggttggca gat 263

<210> 38254
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944665H1
 <400> 38254

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 cagctggcca tgcagcaatg aactcagcct tacacagaaa cttggacttt aattattgtg 120
 atcccttaca aatgaagcat gagggatttg tggagttaac tgacgaggcc ttatcgaaac 180
 aacatcaggg gaatatcatg aacctaccga aatctcaaca aagtcatttc tctaataatc 240
 ttggttcact ggaaga 256

<210> 38255
 <211> 254
 <212> DNA
 <213> Glycine max

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1 00000
2 00000
3 00000
4 00000
5 00000
6 00000
7 00000
8 00000
9 00000

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tcgtaaacct	gtaaacagtt	cactcaatga	ggatgttgaa	gataataatg	accttgacct	120
ttcttataat	tctaattggag	atgaacttca	agaaaatgat	gacgagtatg	aagttgatta	180
tccatccagg	tagagaagag	tatcaaatag	ttcacagaag	aaacctgtgg	ctaaaagtgg	240
aaaaacatct	caaa					254

<213> Glycine max

<400>	38256
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gtgatcaaga	atgagttcaa	caagccgtgc	ttggacttgg	accgtggcgg	caagtgttgg	180
agtgggtggag	gccttgaagg	accaaggtat	atgcaggtgg	aacagtgtga	tgagatcagc	240
acaacaacat	g					251

<213> Glycine max

<400>	38257
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aatgagtttg	aacagtacat	ggatgttgta	gggaagctca	agcaccctaa	cattgtttaga	180
ctcagagctt	attattacgc	taaggaagaa	aagcttcttg	tctatgatta	tctccccaat	240
ggaagcttg						249

<210> 38258
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944670H1

<400> 38258

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 agtgtgtttc aacacaggtt gacaagagga cagttgattg caggtacgat gtaaattgga 120
 cagtttcctg ggatttgtca gggtcgtttt gctggagaaa gtttgatgt tggagaaagt 180
 tgtcataatt ctgtgtagct tgtaagttgt aacaacacat ggtaggcgta cgcgacatgg 240
 acagtat 247

<210> 38259
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944672H1

<400> 38259

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 cacaaccatc ctcaagccaa caacaccttc tcagatctta caatgatatt tcaatcgtgt 120
 tttatgatga ctgcaactct gctattattt gttatagcac aatgtgttgt gggagttaat 180
 tcactttcac aagctgataa gataagcact ttgccagggc atccaccagt caaattccag 240
 caatatgct 249

<210> 38260
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944673H1

<400> 38260

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 gatcagcaag aaccccgccg tgagcgtcgc cataatcgag cagtcctgta gccccggcgg 120

cggcgcgtgg ctcggcggac aactcttctc cgccatggtg gttcgcaagc cggcgcacct 180
 cttcctggac gagctcggcg tggcgtaaga cgagcaagag gactacgttg tgataaagca 240
 cgcggctt 248

<210> 38261
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944674H1

<400> 38261

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 acaacaaaaa ctgtgtcaca gaggattgcc tcatcggcaa caatgatttg gaatcagaat 180
 tctacttcgg ttcccatgtg gccagaatgc tctacgatgt gagccaatct gtgtctggcc 240
 aaacag 246

<210> 38262
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944675H1

<400> 38262

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 acgccgcacg ccgaaaccat ggccggaaaa ggagagggtc ctgctatcgg aatcgatctc 120
 ggaaccacct actcttgctg cggtgtgtgg caacatgacc gcgttgaaat catcgccaac 180
 gaccaaggga acagaaccac gccgtcttac gtcggattca ctgacaccga gcgtctcatc 240
 ggtgatg 247

<210> 38263
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944676H1

<400> 38263

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 aaatttcatt tttcatttct cttacttaca ctacacagag acagggatac gcaatgatag 180
 gatcttttat taccagggca cttgtgatgg tttttggtta tgccttccca gcctatgaat 240
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<210> 38264

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944677H1

<400> 38264

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 cttatcagtg ggttgtcaag cccaaaactg tcaaatatga atttaaaacc aacacccatg 180
 tccctaaact aggggtaatg cttgtggggg gggggggaaa caatgggtca accctcactg 240
 gtggtg 246

<210> 38265

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700944679H1

<400> 38265

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 tttttatgca attggcggat ggtattggaa ctttgtaggt tctgcttata tttattatat 120
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 gtg 183

<210> 38266

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944680H1

<400> 38266

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ggcatgaatg gagcagtaca aaaagctgaa gaaatttttaaa aaagtacccc caattcatac 120
atgcttcaac aatttgataa tccttcaaatt cctaagggttc attatgagac aactggccccg 180
gagatatggg aagatactag aggaaagata gatatttttag ttgcaggaat tggaaccggt 240
ggaact 246

<210> 38267

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944681H1

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ttgagtggct taaaccatgt tcttctccta attattcata tctaaacaat tccaacacaa 180
tattatcatt tacttcttct ccttcttctt ctttttcttt tactcataat cagtttggtc 240
aggaaactat 250

<210> 38268

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944652H1

<400> 38268

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acgagctcaa ggacttgcag aaagaccac acaacttctt gcagcgctgg tccagtagct 120
gaggacatgt tccattggca agcaacaata atgggtcctg ctgatagtcc ttatgctgga 180
ggtgtattcc tagtcactat tcaacttccct ccggattatc ctttcaagcc tcctaagggt 240

gccttttagga

250

<210> 38269
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944623H1

<400> 38269

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 tccaccccct tccttgacga acacagagac gtgtgttttg gattctatct gtgccgtggg 120
 ttgagattta gatgcaaata aatatatacc ctgtcttggt cgtgtgtccc ttttaagccaa 180
 ttgcaatcaa acaaagtttc gggtattggg gttcattttt ctctctccat ctttctctaa 240
 aacattaatt gaa 253

<210> 38270
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944624H1

<400> 38270

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 caggcaactc ggtggaactc agtaacccat tatcgagttc caccgagttg ggtgaccgag 120
 tcaaggagct catgaactcg ggtaggg 147

<210> 38271
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 <212> DNA
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<223> Clone ID: 700944625H1

<400> 38271

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 ctcacagcaa tagcgtcatc gatctctacg gcgtcgtttg aagggttcg accttcgct 120
 gttcagtttg cttccacggg cagaattaga attggcaatc tctcccaaag gtccttcggg 180

ggcttggttg tcaaagccgc caccgttggt gcccccaaat acactgcgat aaagcctctg 240
 ggagatagag t 251

<210> 38272
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944626H1

<400> 38272

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 cgggtgcgct ccgcagccac caccgacaagt acctcctcgc ggaggaggac gaggagtcgg 120
 tgacgcagga ccgcaacggc tcctccaaaa ggcacgggtg gacggtagaa tacgtggccg 180
 aatacgacaa cataattcgc ctgaagagct gttacggcaa gtacctcacc gttccaacc 240
 acctcttcct cttg 254

<210> 38273
 <211> 249
 <212> DNA
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<223> Clone ID: 700944627H1

<400> 38273

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 taatgttcaa agttcttagt ccagaccgag cttatgctgc aattgatctt ccagttactt 180
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 tacttgggg 249

<210> 38274
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944628H1

<400> 38274

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 gagtacttta ctgtctgaaa tgcaaattta tttggaattg ttggatattc tatgtattac 180
 atacatgtac ctaatttgct gtgtaatcta atgaggctc agtattttct gaaaaaaaaa 240
 aaaaaagggg gg 252

<210> 38275
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944629H1

<400> 38275

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 ggaccaacaa caacaattgc agttccaata ccacaaaggc cctcttctca gtggcaaaat 180
 ctccgtcaat ctcatctggg acggtaactt caagccttcc cagcgagcca tcatctccga 240
 tttcatcacc 250

<210> 38276
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944631H1

<400> 38276

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 aactaacac atgtgaggag gcaccaaagc agtctagtgg taaaccagaa gatgcttctt 120
 cttatatgaa gaatgcatct caagtagata ttccctttcc tggaccattg caagtttcaa 180
 aatcaagtgg cttcgcatgg gcaaaaaggc gtagagatga cacttcagtt agatcccaca 240
 gtcggtctat ttct 254

<210> 38277
 <211> 256
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700944632H1
 <400> 38277
 gctagaaggg aacaaacccg caaagagaaa acccgtgttc accaaagtgg atcagctcaa 60
 acctgggtacc aacggtcaca cgttgggtggc taagggtcttg tctctcgaca ccgtcgtaca 120
 caaacccgga tctcttccg cccacaacct caaacccact gtcctcgccg agtgccctcat 180
 cggcgacgac accggcacca tcgtcttcac cgctcgcaac gaacaagttg atatgatgaa 240
 ggctggagct acagta 256

<210> 38278
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944634H1
 <400> 38278
 aaaactcata cctcttctcc aacatgaaag acaccattgt tctataccct aatcttggtta 60
 ggggacacct agtttccatg gtggagttgg gaaaactcat actgaccac cacccttcac 120
 tttccatcac tatt 134

<210> 38279
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944637H1
 <400> 38279
 aaaaaaaaaa aactgtgaac ggaaattagg gctcgtaagt ttcgatttcg gttgcagatt 60
 ggggtggtag cgttgcaatt gcaacaattc ttgaagagga aaaaaaaaaag attcggaata 120
 ctttagtcat ttgcatcctc caattttgat ggaatatatg aaatctagga ttccgttctt 180
 taaattcttc gaagttcatc tggggtttgc ttttgcaatt tggatatcaat cagatcgatt 240
 aacctgcac tatgg 255

<210> 38280

<211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944638H1

<400> 38280

aattagaaat atagtgcgca attatcaaca gacgggattt ttgtgggaac agtacgaaca 60
 gacgaagggt aagggaaaag gggctcatcc atttactggt tggacatcgc ttgtagtatt 120
 aatcatggca gaagcatatg gaaatattta ggataaacac agcttggtgg aggctattgt 180
 aacaaacatt ccttgcttcc ttctcatttt ccgtccatga ataccaaggc agtaagtgtg 240
 catgtaacgt tgt 253

<210> 38281
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944639H1

<400> 38281

gcattattca atggccacca cagcagctct atccggaacc atggtgagca cctccttcat 60
 gaggaagcaa cctatgacga ccaagagcct aaagacattc cccaacgctc tttttggtct 120
 gaaagggtgga cgagggtggc gtgtaacttg catggcctcg tacaagggtga agctcataac 180
 cccagaagga gaagtggagt ttgaatgcc agatgatggt ttcattgttg acaaggctga 240
 ggaagaaggc att 253

<210> 38282
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944640H1

<400> 38282

agaggatatt gcatcagatg accaattgga gggccattat cgtagatatc aaagaaagaa 60
 tcttaaaggc agacaggcca catgtgtagc aggggaagat caaatgtctg atgaccaatt 120
 ggagaatcat tgtcagaagc agcaaacaag tttctatagg aaaaggcaaa acaaaggcat 180

tgaaagagag gttaaaaatg aaatggctga tgaccacttg gaggaccatt ttctgaagca 240
gcagcaaaga t 251

<210> 38283
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700944641H1

<400> 38283

acaatatcaa gacaacttca tctaattaac catgaatcac caacaacaat ctctctgtgac 60
tgcatatcca gcagtgagtc agagcaaccc agcagctcca ccaccacctg tgggttatcc 120
caciaaggat gatgttcctt cccaacaaaa tgttccaatc aaaacctcta ctaggggtga 180
tggcttttgg aagggatgtt gtgctggatt gtgctgttgc tgtgccctgg attgttgtct 240
ctgattgaag tta 253

<210> 38284
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700944642H1

<400> 38284

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agcaatgcta attcatttca cagtcttcta attatgcatt tatttcaatc ttgatccttc 120
caggcatggg tcacacttgg cagagcacia cttaattttg gtgagcctga taatgctatt 180
gaaagctttg accgtgctct agctctcaag cctgattatg aggaagctca agatgatagg 240
aaaactgcat 250

<210> 38285
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700944643H1

<400> 38285

ggaaggttct acttttctgg agtttctttg gcatggcaat agcaatgate cttcaagcca 60
 caggagcaac ttcacttgta tcaaacaatgg gagctcagta cttttctggt ggtggcatgt 120
 tcctgtttgt cttaacattht gctctcggag ctggcccagt tccaggtctc cttctaccag 180
 aaatctttcc tagtcgaata agagccaaag ccatggcagt ctgtatgtca gtgcattggg 240
 tgataaat 248

<210> 38286
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944644H1

<400> 38286
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 attgtgttgt ctttctcaga aatcaagagc ctcacagggg atttcaagaa tcaaattggg 120
 ccaaagggtgt tcaagggttt gctaccaaac aatcatctga ttgcagttaa agacctgaat 180
 gcgtccatag aggaaaggaa gtccgaagtg ctgttatgaa gatggggttg atccaccaca 240
 agaaccttgt g 251

<210> 38287
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944645H1

<400> 38287
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 tgaaagactg ggtaggggta ttgagactga tggaattacc acccctgtgc tgaacacttc 120
 tgcctacttt ttttaagaaaa ccgctgatct cattgatttc aaggagaatc gtcaagtggg 180
 ttatgaatac gggcgctatg gaaaccaaac gactgtgggt ctggaggaga agataagtat 240
 attggagggg 250

<210> 38288
 <211> 253
 <212> DNA

0053113-032200

<213> Glycine max

<223> Clone ID: 700944646H1

<400> 38288

taaaaatctc acccttttct gcaactttct ctctgacaca caccgaacac tcaaacacac 60
acagtgtgca gcagcagcag caacaacaag agaagaagat ggctctgcaa ctatgggaga 120
cattgaagga ggccatagtt gcctacacgg ggctctcccc gccaccttc ttcacccttc 180
tggccctgat cctagcccta tactacgtcg tttctgggct cttccctct tccgaccacc 240
gccacaacac cgc 253

<210> 38289

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944647H1

<400> 38289

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cagaaccctt gcaagatctt gatcgaattt tgtcaaagggt aaccactgga tttggaggaa 120
gtttgggtgt ttggaaagggt acagcgatgg gaaattgccca tctcggaat tggccttgac 180
atcgctgagc atgctcccat tgatcttgat tattatagta caattgaaga attgatggaa 240
gtcggccctg a 251

<210> 38290

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944648H1

<400> 38290

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accattgata atgttaaggc caagatccag gacaaagagg gcatcccccc agatcagcag 120
aggctgattt ttgccggtaa acaacttgag gatggaagaa cccttgctga ttacaacatt 180
cagaaggaat ccacccttca cttggtgctt cgtttgagag gtggtatgca gattttcggt 240

aaaactttga

250

<210> 38291
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944649H1

<400> 38291

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 tgagttctgc catctcagcc ttcccatctc tcctttcttc ctcaaaatcc agatttgccg 120
 cagcagttcc tctttccagc tttgttgta ccaatgcctc ttcttctcgc ttttccatga 180
 gtgctgactg gattcctggc cagcctagac cccctacct tgatgggtta gcacctggtg 240
 actttggatt cgacct 257

<210> 38292
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944650H1

<400> 38292

aaacaagtaa atcatgttgt tgatgattcg cttgatgcaa cagactttca ttacatcccg 60
 ccattgaata tagtcatgct tattgttggt acacgaggag atgtgcaacc ctttattgca 120
 ataggcaaac gcatgcagga ctatgggcat cgtgttagat tagcaacca ttcaaatttt 180
 aaggagtttg ttttgacagc tgggttgagg ttttatccat taggcggtga tccaaaagtc 240
 ttgctgggta tatg 254

<210> 38293
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944651H1

<400> 38293

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acgatttggg atcggaggat tttcaggaga tttcgtcgac ggtgaatttc gcggaagagt 120
 tcgagccgcc ggaggagatt attccggcga acatcgaacg gaaagcgaac agcgtggagc 180
 ttccgttttc gctgaggata atcaagaaga agctgcagtg gaaggaaggg ttcagggagg 240
 caggggactc cgt 253

<210> 38294
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944622H1
 <400> 38294

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 attgtttatg attgaatttt tcttcttagg agtttcctta agtaccacaa gcagacaaag 120
 gacgtcgtaa ctgtagaaaa gtgaagtaga aattaatgca gaggaaaaaa aagaaagagc 180
 cttactgtgc atagcttctg tgtgtctttg gggctgtggc taagtagtaa tttttacttt 240
 catgggtgaa tttctt 256

<210> 38295
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944590H1
 <400> 38295

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 cagctcaccg acgaccagat cgccgagttc aaggaggcct tcagcctctt cgacaaggac 120
 ggcgatgggt gcattactac caaggaactt gggactgtta tgaggtcact tgggtcaaac 180
 ccaactgagg cagaactgca ggatatgata aacgaggttg atgctgatgg caacggaacc 240
 atcgatttcc cag 253

<210> 38296
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944591H1

<400> 38296

gctgactggc ggaacatcaa acagcaacat aatcctcaac tgggaaaatt tctctgcacg 60
 acatgtctga tgaacgagca gtgcacacctg attgccggaa tgctagtaac ctttatcatg 120
 aatgtagtga ttactgtttt agagtaatag ctgaagccaa aattaggtca caacaacagg 180
 aatcagaagt tggacaagct agtgggtggaa acaactctaa gcgagcgatc ccagatgatt 240
 cctatgtgga a 251

<210> 38297

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944592H1

<400> 38297

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 gaggaggcgt gaaccagagc tgatagctcc ggcgaaacc acccctcgcg aagtgaagct 120
 actatccgac atagatgacc aagatgggtt acggttccaa attccggtga tacagatcta 180
 tcgccacgac ccatccatgg cagggaaaga ccctgttgag gttatcagaa aggctttggc 240
 cagaacgctt gtgt 254

<210> 38298

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944593H1

<400> 38298

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 gtgttagcct tgtttattca tccatcaact tcacatcatt tattgaacag gatttcctgg 120
 gcattctgtg tataatctga agctgtgtca gtactgcccc aactgcgagt catgcagaac 180
 acccaaattg ttgagccatt cacagctcat tatgtatttg ccctgggtgt ggcaagattc 240
 ttgagctgtg 250

<210> 38299
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944594H1

<400> 38299

ttggagggaa aaagttaaaa cttgctatTTt gggacacagc tgggcaggaa aggttttagaa 60
 cacttactag ttcatattac agaggagcac aaggaataat tatggtatat gatgtaacaa 120
 ggcgggaaac ctttacaat ctatctgata tatgggctaa agaaattgac ttataactcaa 180
 caaatcaaga ttgcatcaag atgcttgTTt gaaacaagtt gat 223

<210> 38300
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944595H1

<400> 38300

ctctctcact cacaaacaca cactgaacta aaaaacatca aaagagacat ggctgagcaa 60
 accttcatca tgatcaagcc tgatggcgtc caaagaggcc ttattggcga gatcattagc 120
 agatttgaga agaaaggTTt ctacttgaaa ggTTtgaaac ttgttactgt ggaccgtcct 180
 tttgctgaga agcactatgc tgattggtct gc 212

<210> 38301
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944596H1

<400> 38301

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 ctagagggag ccgagccaac aggattcatg tatccaagtg cggTggatca cttcaagaag 120
 caatttgcatt atcttgagga gcattatgga aaaggTggaa ctgttactcc acccgagagg 180
 caacatgcatt cattaccag gTcatgtgtg ttgtattcag ataactcagg accaaatatg 240

002220"ETTFF550

gctgaggttg c

251

<210> 38302
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700944601H1

<400> 38302

gttggtacgt attatatata atcctccttg cattgcattt tattgtcatt ggctcagggt 60
ctcttccatt cacaacctta aacctttctt tcttgtaaac tttattgatt gattctgaga 120
atagaactaa gagggatatag acatggctag cgcaattgca gcttcttttt tggttctgct 180
tctggctttc cccactgtat ttggagctga ccatgaagtt ggtgacacta gtggatgggc 240
cctcggagtt aattacaaca cctgg 265

<210> 38303
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700944602H1

<400> 38303

gaagatagaa tgtgcacagc cctaaagacg aattaccagc ttagcgagga gatcggtcgc 60
ggtcgtttcg gcaccatctt ccgctgcttc caccactct ccaacgcacc ctacgcctgc 120
aaactcatcg acaaaccct cctccatgac tccaccgacc gcgactgcct ccagaacgaa 180
cccaaattca tgaccctcct ttcacctcac ccaaaccatcc ttcaaattctt ccatgttttc 240
gaggacgacc aatatctctc catag 265

<210> 38304
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700944603H1

<400> 38304

ctgccgctta caaggaaatg accaacctta ttgagaaggc aagaaacaat gcacagcat 60

atgagaagag gtctgagtat ggtgatcgtg aaatcacaaa ggcagatctg gagatggatga 120
 ctagattaga tccacttcgg gtgtatcctt acagatatcg agcagcagtt ctgatggaca 180
 gccataagga agaggaagcc attgcggaac tctctagagc aattgcattc aaagctgatt 240
 tgcacctctt gcatctacgt 260

<210> 38305
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944605H1

<400> 38305

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 ctttgcaacg ctgcttctga caaaaaacgt tgtaccatcc gaaatgtcgg acacagtgga 120
 acatacagat caaagagctg aagctattcc ccaatccaca gctacaccaa attggactat 180
 tcatgtgtca gacataagaa cagttaaggt tagcaacata tcattgggta cttccaagaa 240
 ggacattgaa gaattctt 258

<210> 38306
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944606H1

<400> 38306

caacgatggc gactcagatc ctctctcgca tcttccccaa aaccctaacc ccagccccct 60
 tcctcttcgg ctccctcacc accgctccct ctgctcctc cctccccgcy ctctccttcc 120
 tccgccgtat ctccgttgca gccaaacctt cctccgcgcg cgtcctctc ccaaagcccc 180
 cctccctcgg cgccctctcc acacgcgcga ccacctctc cctcaacgac cccaacctta 240
 actggtccaa ccgtcccccg a 261

<210> 38307
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944607H1

<400> 38307

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gaccgcgtgc ctgttgaaac atgagccggc gactcatagg cagtggcttg gttaagggaa 120
accaccggag ccgtagcgaa agcgagtctt cacagggcaa ttgtcactgc ttatggaccc 180
gaacctgggt gatctatcca tgaccaggat gaagcttggg tgaaactaag tggaggtccg 240
aaccgactga tgttgaa 257

<210> 38308

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944608H1

<400> 38308

tgtttttccg ttcgtcgta tcgcgacac attttcaccc gttcttaaata cctcttccat 60
ttatgtgtac gtattccacc actgcgccac aacacgcgtg agattttcac tcgccgcttc 120
cctctctagc ctcttcgaaa catcaacacc tcctcttctt ctgattctga ttctgattcc 180
gattccgttt cattccaaac aatggagaga ccactcctca agaatttcga gctcgagcac 240
aaaaatccct ccgtcgaag 259

<210> 38309

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944609H1

<400> 38309

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agaagaagca agaagagttg aaggagaagt ttgacaacct ctgcaagggtg atcaaggatg 120
ttttgggtga caaggttgag aaggttgtgg tctctgaccg cggtttagat tcaccatgct 180
gtcttgtgac tggcgaatac gggttgaccg caaacatgga aaggataatg aaggcccaag 240
ctctaaggga caacag 256

<210> 38310
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944610H1

<400> 38310

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 acaagattcc ttttgttcct atctctggtt ttgagggaga caacatgatt gagaggcca 120
 caaaccttga ctggtacaag ggtccaactc tgcttgatgc acttgaccag attagtgagc 180
 ccaagaggcc ctctgacaag cccctcaggc ttccccttca ggatgtgtac aagattggag 240
 gtattggaac tgtgccag 258

<210> 38311
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944611H1

<400> 38311

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 cctcagcatc atatcttctg agttctgagt gttccattcc aattccaagt tacaacttgg 120
 ctgtgtctat ggatcgcgct cagcttctgt tgctgggtgt acccctcttc ctcttctgct 180
 ctgacctctt ctcccttttc actcatcatc cttcgccgnc accccaccac caccaccacc 240
 accaccatcc tcac 254

<210> 38312
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944612H1

<400> 38312

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 acagaacagt cccagcaaca tctttacact ttggtaatat cactgagtat aatgccaca 120

atttgtatgg actactagaa tccaaagtca ctaacaaggc attggtggat ataactggta 180
 aaaggccatt catcctaagt agatcaactt ttgtaagttc tggtaagtat gcgtctcact 240
 ggacaggaga taat 254

<210> 38313
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944614H1
 <400> 38313

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 ctgcgtctct tctctttctc ttctgattca tccctcattc ataatcttcc aatccaacaa 120
 cctcagcctc acactcacac atacacacat ctgaacgcgt atcgtccctc ccatggcttc 180
 aaagcgcatt ctctaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240
 tgggtccagta gctgagg 257

<210> 38314
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944615H1
 <400> 38314

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 tacatttact tcttgatatat cagactccaa ggttgatggg tgtagttaag cagtaccaat 120
 atctgctaaa agcatcttca acgtctcata agtcataaaa caagtaccta caccgggcac 180
 cacctttag tctgatatac aagaagtaaa tgtatgaggt tatttaccca tacaaaaaat 240
 gttaagttac atttacgat 259

<210> 38315
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944616H1

<400> 38315

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atggtgtggc agttgatgat ctcatccaag ggttgagaa gatggtcttt gggattgacc 120
atgtcaagtc ctttgaatgg ggaaaggaca ttgaaagtca tgatattgcta agacaagggtt 180
tcactcatgc tttcttgatg acattcagtg ggaaag 216

<210> 38316

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944617H1

<400> 38316

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agaagcatat aattcctgag tcaatataga atttgtgaag tcagtccaaa cttcagtttc 120
aaagatgcct cgtggaacgc ttgaagttgt tctgatcagc gccaaaggaa tcgatgacaa 180
tgattttctc tccagcattg atccttatgt gattctcaca tacagggcac aggagaaaaa 240
gagcactgtg caagaagatg ctgg 264

<210> 38317

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944618H1

<400> 38317

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gcaggatatt gtttgagtgt ttagagaatg aaaatgtctc aattgtaact gaaaaagagg 120
ttcagacact atccagtact gatgcattctg aactattgga agctgtgggtt aaaattgtga 180
atgaatgtct agctgaagtg cctcgatttg gatttgaaga accaaaatca gctcttggaa 240
cttcagaggt tctcgaaatc a 261

<210> 38318

<211> 256

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944620H1

<400> 38318

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 ggtgctgggg cagccgagga tgattatgct gtccttctg gtggaagtgg tgctggcccc 180
 aagattgagg aagtggacta aatgtgtagt tgctttcatc catttatctg tttaaaactt 240
 atttgatgct ttttta 256

<210> 38319
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944589H1

<400> 38319

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 gatctcaaat tatctcatcc tccaccaata gccacgggtcc ctttgggcac agggaataat 180
 ctacctttgg cattgggttg 200

<210> 38320
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944560H1

<400> 38320

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 cagctgtttc actctaggtc aatgtggttc ccatggagct ccaggaagag aatgtttgag 120
 tgagagcaag ctgaaggacc tctgcatgg ttcagaatat gtactcactt atgaagataa 180
 agatggtgac tggatgcttg tcggagatgt accatgggat atgttcattg acacatgcaa 240
 aagactgaaa atcatga 257

<210> 38321
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944561H1

<400> 38321

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 ctgttgaaga ataagttatg ttgaacttgt tgcataattt atcttttgca cttgagttgt 180
 caattttag atagtgttc ttatgttatc ttgagaatat ttggtttttt cttccatgt 240
 ttctctctga ctttggcatg 260

<210> 38322
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944562H1

<400> 38322

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 cggcgcgttc cgcgtgccgg aggatctgtt tcttgacgac caggacaact ctcaggccac 120
 cggattcctc tccttcctcc gcggccctgc cgcgtcggc 159

<210> 38323
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944563H1

<400> 38323

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 gaggttgagg gaagcattga tgggtgtggat aaggaattgt ttgacaaaaa tgggtgagatc 180
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260

<400> 38324

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<400> 38326

15331

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 <211> 230
 <212> DNA
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<223> Clone ID: 700944570H1

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 tatggggaat aataattgta catacaaaga ggtaatggtg catctgtatg tatgtatgta 180
 tgataatggg tttcgatatg aatgattcgc aggcaacata aaagggggccc 230

<210> 38331
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944572H1

<400> 38331

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 gcaagcaaga agcttgattt gtggagactc ccagaggttt tggtcattca tttgaagagg 120
 ttctcataca gcaggtcgat ggagcataaa ctggagactt ttgttaactt tcccattcat 180
 gatatttgatt taaactaatt acatag 206

<210> 38332
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944573H1

<400> 38332

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tttcatctct ggagagaaga gcagcatcta gatactatct tttcaatttt gtgaatatat 180
 ttcttgggaa catacttacc gggacagcat ttgaacagct ggactctttc attcaccaag 240
 cagccaatga gtaagtcac 259

<210> 38333
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944574H1

<400> 38333

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 gtatataaac ttgtgggcca tgggtggcatg gaattttaat ttatctcggt tgtattcacc 120
 taattcgaag caagtttgtc cctgattgag ctggttacga ggcagaggag gggcatgcat 180
 atgcttttcg tgtaatatta aatgtacgtg tatatcaatg atattttttt ttccttgt 238

<210> 38334
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944575H1

<400> 38334

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 ggtgatggtg gcacaggaaa gacaaccttt gtgaaaaggc atctcaccgg agaattcgag 180
 aagaaatatg agccaaccat cgggtgtggag gttcaccat tggatttttt cacaaactgt 240
 ggaaagattc gattct 256

<210> 38335
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944576H1

<400> 38335

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 aaacatttgg agcttattgt gaggttggtt atggaatcta agaaaccggt tttgtatgtt 180
 ggtggtggtt gtttgaattc tagtgaggaa ttgcggcggt ttgtcgagct caccggtgtt 240
 cctgttgcta 250

<210> 38336
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944577H1

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 atggccttgc tagaaggtgc attgtgcaag tttcctatgc cattggtgtc cctgagccct 180
 tgtcagtgtt tgtggacact tatggaactg ggaagattcc tgacaaggag attctgcaaa 240
 ttgtg 245

<210> 38337
 <211> 258
 <212> DNA
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<223> Clone ID: 700944578H1

<400> 38337
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 cgccgacgag acatggcccc gcctccgcaa ccacgaaatt tctctcctcc gactcttcga 180
 aaccgtctgc gacgattgcc acgtcgaaat caacgaaacc ggtaccacat taaagtacaa 240
 accgggaact attatggg 258

<210> 38338
 <211> 90
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<213> Glycine max

<223> Clone ID: 700944579H1

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<210> 38339

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 700944580H1

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tgaagccatt gaggtggggt accgtcattt tgacactgct gcagtgtatg gaacagagga 180

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<212> DNA

<213> Glycine max

<223> Clone ID: 700944581H1

<400> 38340

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cgccgttcgt gcatttttga ggtgccgctg tcatgtttgg gcgtggtgga ccaaggagga 120

gtgataactc caaatattat gatattctcg ggatttccaa aaatgccagt gaagatgaaa 180

tcaagaaggc tatagaaagg cggctatgaa gaaccatcca gataaggag gagatcttga 240

aaagttaaag ga 252

<210> 38341

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944582H1

<400> 38341

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atgcacttcg gttagccatg gagttgggag ctgattacat tgacattgaa cttcaggtag 120
cacatgagtt ctatgactct atacgtggga agacattcaa taaacccaag gtcattgttt 180
catctcacia ctatcagctt actccttcaa ttgaggatct tggtaacctt gtagcaagaa 240
tacaagcaac gggag 255
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<210> 38342

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700944583H1

<400> 38342

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ttcagcttta tttgaatccc tctctctcct ttccaaatgg ccagcgttga ggttgacat 120
caaacaccaa caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca 180
accccggaac cagtaccagc cactgaggct cctgcaccag acaagcagca ctgaggttct 240
gctc 244
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<210> 38343

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944584H1

<400> 38343

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gttccgaaca gaagttagca caatagggac agtgcaacat gttaatctcg ttaggctccg 120
cggattctgc tccgaagtgc caaaagggtta ctagtattatg attacatgcc aaatggctcc 180
ttggatttcc atttgttcca taacaagaac tctaagggtgt tggactggaa aatgagatac 240
caaattgcgt tggg 254
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<210> 38344
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944585H1

<400> 38344

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 gattctctac caagtcaatt gagagggaga ttaactcagt caatgacaac cctttgattg 180
 atgtgtcaag gaacaaggca cttcatgggtg gtaacttcca aggagctcct attggagtct 240
 ccatggat 248

<210> 38345
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944559H1

<400> 38345

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 tcacgccgct atcatcggcc aagacggaag cgtttgggct cagagcacca acttcctca 180
 gttcaaacct gaggaataa ctgccatcaa taatgactt 219

<210> 38346
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944586H1

<400> 38346

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 aattttgtgg ttttccttcc tgcccttggt atgtttgtgc attaaataaa agtaagaaat 180

gccccaccac taagtaatgc tatatggatt atgtatgtgt tccatatatg tcaagtgagt 240
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 <212> DNA
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<223> Clone ID: 700944588H1

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 ctggtgaagt tgtttgggag aaagccagag aaacgttaca actgggagcc aatgaaggac 180
 gacattgagt tgggatactc ttgttacgcg gtgtgatctt gttcaagtcc ccatgtacaa 240
 cgacagagag gtt 253

<210> 38348
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 <212> DNA
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<223> Clone ID: 700944527H1

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 gtatccaacc cgaccataa agagatccgt taccgcggcg tgaggaagcg gccgtggggc 180
 cgctacgccg ccgagatccg cgaccaggc aagaagacac gcgtgtggct aggaacgttt 240
 gacacggcgg aggaggcgtc gcgtgcg 267

<210> 38349
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944528H1

<400> 38349

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 cccaatttca tccttcagga ggattatcct gacttctact ttcgggtcac caatagcgac 180
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 cgacacatag tccacacg 258

<210> 38350
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944529H1

<400> 38350

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 tgggtggcagc cttatatattt tgcaaccgga ttctagtaag aaaggggtgg tacttatgga 180
 cggtaacatg ggctgggttac ttccaagtga aaacgccaca ctgtctaaag atgatggagt 240
 ttggacttgg a 251

<210> 38351
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944530H1

<400> 38351

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 cagtatatatc ttgaaatcag tgtgtaccaa gagagcatga gagcttgaag gagctacgag 120
 agttgaccga taaacaccct tgggaactga tggctacacc acctgacgaa gggcaacttc 180
 taggcattgct ccctaagctt atcaatgccca agaacaca 218

<210> 38352
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944535H1

<400> 38352

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gtgagctcca gactcctcac tgcgacgccg tcggatccac cgccgtcgtc gccgtcgta 180
cgccggacaa aatcgtcgtc tctaactgcg gcgactcccg cgccgtcctc tgccgcaacg 240
gcgtacgcat cgctctctcc tccgatcaaa 270

<210> 38353

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944536H1

<400> 38353

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tgctcaagca ctgcgggggg aaccattgac atcccaatgt ccgggaacac aaactcgaag 180
tttctgttat gtctctgacc tggttgatgg ccttatccgt ctcatggaag gatcaaacac 240
cggaccaatc aactgtggaa accc 264

<210> 38354

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<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944537H1

<400> 38354

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gattaaggaa acaaaaagtc gtggtgacag cataagtgtt gagacttgta cccttactt 180
agctttctca tctgaagaga taccaaattg agatactcgt tttaagtgtt ccccgcccat 240
tcgtgatgct tataacagag 260

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 <213> Glycine max
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 tagcagcaga accagagcca gtggttgata agcaaggga ccctttggag ccaggagttag 180
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<212> DNA
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<223> Clone ID: 700944549H1

<400> 38363

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 aaattctatt caattcaaatt tctaaattta atttccattt cgttttcggt ttctgttttg 180
 atttgatctt ccaatggcgt ccgatgggtt caccga 216

<210> 38364
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<223> Clone ID: 700944550H1

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 agccaagacg acggcaagga ctaccaggag ccggcgccgg cgccactggt tgacccgacg 180
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 tttctataca tcaactgtctt aa 262

<210> 38365
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944551H1

<400> 38365

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 tatactgatg gtgggtctcg atgctgcggg taagacaacc attctgtaca aagctcaagc 180
 ttggagagat tgtcacaaca attcccacca ttgggtttta tgtggaaact gtggatatag 240
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 acacacaaca aaaccagggg taccaacaga tccaattcta atcctttgaa attcactaac 120
 cccctatttc tattctctct tagttccagt ttttcacttt gctagtgtct tctgcatttg 180
 cttccacagt tgcttcgcca ggaagaaata acaaaaggaa acaccttctt gcttttccta 240
 cctgattgta aagaatctct ctt 263

<210> 38370
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944556H1
 <400> 38370

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 cggcggcgga gaaggagaac cggaataagc ataagaagtc gaagatgtcg tcgtcgtcgt 120
 cgaagggtgg tggcgggtatt gaggttaggg ctctgcacat attgataaag cacgaagggt 180
 ctagaaggaa ggcctcgtgg aaggatcctg aaggtcgcat catcaagagc acaaccagag 240
 aaaacgcggt ttctcagctc aag 263

<210> 38371
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944557H1

<400> 38371

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gctgcgtctc ttcctcttct ctttcgatcc atccctcatt cctaaccctc caatccaacc 120
acctcagcct cacactcaca tatacacata tctgaacgcg tatcgtccct cctatggctt 180
caaagcgcg cctcaaggag ctcaaggact tgcagaaaga ccaccaactt cttgcagcgc 240
tggtcaagta gctgagg 257

<210> 38372

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700944526H1

<400> 38372

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caattaatgc gtagcctatt ggtttggcct tggactctac cattctgggg ttcaagttca 120
tgggctggaa tatggatttg gtgcgaacga gcacgacaca acggggattt tccaagttca 180
accgaaacac tgccttgggt tcaccttcag aaagtcaatt 220

<210> 38373

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700944486H1

<400> 38373

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gcaaattgta aatttaaaga tcgttggatc tctctatctt tgttctgtgct gactaatttg 120
agagcaggct atctatgcta tgcattgatg taaaataata taaagttatc gaagtatttt 180
gtgctt 186

<210> 38374

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700944487H1

<400> 38374

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 gatgataagg ttattgtatc atggaatgga ctggcaatct catcttttgc tagggcttct 180
 aagattctca aggggtgaagt tgaagggacc aaattctact ttctgtcgt tggcactgaa 240
 gcaaaggggt acttgag 257

<210> 38375

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700944488H1

<400> 38375

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 tgataaatatg gaaaatggca tttgtgaaca tgaacattgt agagggaaat ctaagtgaac 120
 atggctgttg aatattagca gctgccctta atgtggagta tcttgagcta ggaaaaaaaa 180
 ttggcacaaa atcaatttat gttct 205

<210> 38376

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944490H1

<400> 38376

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 gccgtcgccg tcgccgtcgc cgtcgcgggc tcctccttcg atgatgccaa ccctatccgt 120
 ttagegtcgg acttgagtc gcagggtgtg gacgtgatcg gacagagccg ccacgctctc 180
 tccttcgccc gtttcgctcg ccgccacggc aagcgtacc gttccgtcga cgagatccgc 240
 aaccgcttcc ggatcttct 259

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<210>      38377
<211>      119
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700944493H1

<400>      38377

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ccacataaga gctcgctgct agcgataccc ctaacatcga gcggcaacga tgatgggtgt   119


<210>      38378
<211>      260
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700944494H1

<400>      38378

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ctgcctgggt cttcgaatgc gcgaggaggac catgggtcgg ccagatccac catccaacaa  120
acgagaatta tcgtgggtcg gtgatgttgg ttttgttgtt gatgcttggg ggcattgatgg  180
atggtgggaa ggcattgttg ttcaaaaagga ctccgaagct aattatcatg tttatttccc  240
aggggaaaaa gtggtgtcag                                     260


<210>      38379
<211>      263
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700944495H1

<400>      38379

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cgagagtttg ttatattatt actgataaat tgttggtggg ggtggcatag ttgcagttgg  120
aaatcgaaag aagagaaaag aaattggata gtgattattt gggttcgta tcgttgaaac  180
gtcttctcaa atctggtgtg gtgaataaca tcacctca cactcactca acctaaacaa  240
aatgcagagc cagagaacca cgc                                     263

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<210> 38380
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944502H1

<400> 38380

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 aattgaaagg atgtcgatct tcgagtacaa cggaagcgcc gtggtggcta tggtcggcaa 120
 gaactgcttc gccattgcca gcgaccgaga gctcggcggt cagctccaaa ccatagcaac 180
 ggatttccaa cg 192

<210> 38381
 <211> 59
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944504H1

<400> 38381

tggaacagat ggcgggtaga ggtttcagac gtgacttgct tcttacgtga tttggctct 59

<210> 38382
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944505H1

<400> 38382

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 atgtcgttta tgtttatagt ggctgatgct gtgctaattg catcatcagg gcaaagaaac 120
 agcactgcca aggaataatt ggacaacaca caagttgttt atagattgcc tagtgcaaag 180
 ggagaaaaat tctcattggt cattgggtgtg aataagagaa gacgaaaaaa tctattaaga 240
 aaagagtgca gaaaaagaaa taaagca 267

<210> 38383
 <211> 108
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944506H1

<400> 38383

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tttgcagtgt ctagctgcgg ctctgtattt caatactttt agtacaac 108

<210> 38384

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944508H1

<400> 38384

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ttccccaaag gtagttggag gggcaaactc ccaacatggc atggagtggg ttaggcactt 120

tcagatgcca ctgcactatc caaggtacac ccaagctgac tatgaggcaa tgccagagtg 180

gaggcttgac tgtttgctca aagagtatgg cctaccaatc tttggggatg tcgaaaacaa 240

gataaacttt gccatgggtg cctttctatg gat 273

<210> 38385

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944509H1

<400> 38385

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attccgcttc tgggtgttggc gcagatagcc acctgcgtca actacctccg ctccatgctt 120

ttcgcgcttt tgcaaaccct aggtctcagc cgattccact ccgaccagat cgtcgacgag 180

cgcttctctg cagccgtcgg atccggcctc gccggactta tcagggtctc agatcagctc 240

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<210> 38386

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700944511H1

<400> 38386

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 cggctctgaaa aatccacttg tctgatgag ttatgtaagt ccagtaatgg cagcagcaac 120
 tgcccttctt tctcttgcat tagatccatg ggatgaattc cgagaaaaca agtactttga 180
 taattcattg catattactc gaagttgctt gctgatgctt cttggtggca cattgccttt 240
 tttatggtac taacagaata tgttctggtc t 271

<210> 38387

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700944512H1

<400> 38387

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 tgatgggaaa ctagtgtgca ttgttggaaga ctaccagaa gggttactgg tggattctca 120
 aacaggaaag actatcacac cttttcgtgg acacttgat ttctcatttg catctgcatg 180
 gcacctgat ggccacatat ttgtactgg gaaccaagac aaaacatgtc gtgtttggga 240
 tggtcggaac ttgtcaaaat ccgttgctgt t 271

<210> 38388

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944513H1

<400> 38388

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 ataggcatag ccattagcca cacacatgtt tctttagcag aatgtgacaa tgtgaaggac 120
 tattgccta caattcctcc ccaaaagcaa accatattcc tcaatggctt ccctgcgag 180
 aaccxaaata acacaattgc acatgatttc aagagcatgg aactaagcaa gccagggttca 240
 agagacaagt taggttcatt agttaaatt gtt 273

<210> 38389
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700944515H1

<400> 38389

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tttgaatccc tctctctcct ttccaaatgg ccagcggtga ggttgacat caaacaccat 120
caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca accccggaac 180
cagtaccagc tactgaggct cctgcaacag aacaagcagc agctgagggt cctgctgcag 240
aagaacaaca agcaactgat gttcctgccc ca 272

<210> 38390
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700944516H1

<400> 38390

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tggcggcggc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120
ttaccgctg ctctgctttg ccttctctgc ctcccgcg caccaacact aaaaccactt 180
tgctcttctc ttccctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240
gagcttcttc agaggaatca tctcagtag 270

<210> 38391
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700944517H1

<400> 38391

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aatgacaagg gtgccatggt tccaatccgc gtccacactg tgctcatctc caaacagcat 120

gattaaattg tcacaaatga tgagattgca gctgatctta aagaacacgt gattaagcct 180
 gtgattcctg agaagtacct tgatgagaag accattttcc atttgaaccc ttctggcagg 240
 tttgtcactt ggatgccgaa tgtcgatgct ggtctcaccc gccgcaaga 289

<210> 38392
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944518H1
 <400> 38392

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 ggaaaagctc ccaggaatca gcttgcaaac aatgctgcac gtaagtctga accaacaact 120
 ggtgctgtga agaagcctca tcgttatcga cctggaactg tgccccctccg tgagattagg 180
 acataccaga ttagcgctgt gctcctaate aggaaccttc atatccaaat gttggttcgc 240
 gaaattgccc aggatttcaa gactgatctg cggt 274

<210> 38393
 <211> 173
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944519H1
 <400> 38393

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 gggagcactg agttagctca gagcgagtga aagtggttct gcgtgatgtc tgggtgtatc 120
 gcccgaggac gtttcaccga ggagcgcaag tcgtggctga agaaacatcc cca 173

<210> 38394
 <211> 124
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944520H1
 <400> 38394

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ccccgttggg gctgtaattg ctcatatgta caagccagat cggctctatgt acgcaacgac 120
tgct 124

<210> 38395
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700944521H1

<400> 38395

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agtggcattc agaagatatt agtatgccag aacaagctat ggtattcatc caaccgcagg 120
gttcaagatg ataaactatg gaactaaagc agtgggtgaaa tgggtgtatga gaggcaaacg 180
aaagcaaatg cagagtatgt tgactcgaat tctataatat aatgagccat gaatcagcca 240
cgttc 245

<210> 38396
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944522H1

<400> 38396

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tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
gacgacggca acgactacca ggagccggcg ccggcgccgc tggttgacct gacggagtgt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
tacatcaccg tcttaa 256

<210> 38397
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700944523H1

<400> 38397

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 tttgagaaca atggatcact tcgtctgtac gattgattga ttagccacta gcaactcatc 120
 atcctaacca tgcttttgca gttttgcgtt cccaattttc tttgaatcta gtaatttagg 180
 gattagaatg aagtgaactg aaaacattct gtctgagact gacctttgat tttcttgctc 240
 ctatcttttt agtttgtaaa aat 263

<210> 38398
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944485H1

<400> 38398

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 aacaataagg aaaatatgag gagctgcaac attagaaagc acctccacat aatgcatgtg 120
 agcaattagt gacagcaagc taatttttgg ataagtcac aaatgatcaa gcacacaaca 180
 aagcctacaa agagatattc tgcttcaagg ataggattta tatatatata tatatatatg 240
 gcattgatca cgtatatatg t 261

<210> 38399
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944524H1

<400> 38399

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 cgtcgacctc ggccggcgag aaggagaacc ggaataagca taagaagtcg aagatgtcgt 120
 cgtcgtcgtc gaaggggtgt ggccgtattg aggttagggc ttcgcacata ttgataaaagc 180
 acgaaggttc tagaaggaag gcctcgtgga aggatcctga aggtcgcac atcaagagca 240
 caaccagaga aaacgcggtt tctcagctca a 271

<210> 38400
 <211> 271

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700944449H1

 <400> 38400

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 tcttttcgtta atttaataag atgtttggga gggcaccgaa gaagagcgat aatacgaggt 120
 actacgaaat cctcggcgtc tccaagaacg cttcgcagga tgatctgaag aaggcttaca 180
 agaaagccgc cattaagaat cccccgaca agggcggtga tcccgagaag tttaaagagc 240
 tggcgcaagc ttatgaggtt ctgagtgacc c 271

<210> 38401
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944450H1

 <400> 38401

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 ctaagtgcct tgaaactggg gaatctgttg ccataaagaa ggtgttgcaa gacaggagat 180
 ataagaatag ggaactccag gttatgcgca cagttgacaa ttctaattgt gtcaaactaa 240
 agcactactt cttttcaacc cccgataa 268

<210> 38402
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944454H1

 <400> 38402

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 aaaagagaaa tatcaggaga caagcttacc tcaatgaagt gtctcaaagg aatgattcag 120
 ttttctttgc aaccatagga gcatttgtga ttcttccacc tttataata ctaggaatag 180
 ctatattaac tggctatgta cagctttttc cttgaaatac tatagttagc gatacttaag 240

tgatatatca atgtgatatt aa

262

<210> 38403
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944456H1

<400> 38403

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 ttccaccaac tctcttctct atctcaatcc tcgtctcaag catatcaccg gatacatggc 120
 acccctggta gattcattac aaaagcttgg ctacgctgat ggtgagactc tggtgtggag 180
 ccccttatga ctttagatat ggtctagctg ctgaaggctca cccttcacaa gtgggttcca 240
 cgttcctcaa agatctaaag aatt 264

<210> 38404
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944457H1

<400> 38404

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 ggtggtgcac cggagggtaa acatggtggt ggtggtggag gaggaacaa gaatggtaac 120
 ggtaacaatg gagcgggtaa caacaataac aacgggggta aaaaaggaaa tccaatgggt 180
 ggagttggtg ttcaacctat gaacggtgga tttcaaaaca tgggtggtga tgggtgtccc 240
 caggttatga tgtctgggcg t 261

<210> 38405
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944458H1

<400> 38405

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actgaggatg agaaaactct tatcacttgc ataaattgct tgacaaagct tgtggggagg 120
 ctccctcagg aggaactgat ggctcagtta ccctctttcc tgcttgcttt gtttgaagct 180
 tttggaaacc agagtgtga tgttcgcaag accgttggtt tctgtctagt ggatatttat 240
 atcatgcttg ggaaagcatt 260

<210> 38406
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944459H1

<400> 38406
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 gttccctttc agatccacca ctttccattg cacactcgtg ccgtgcccaa taactctcac 120
 tagtactgtt caattaccac ctttacaaaa tctaattgctt ggtgtttgct taatcataaa 180
 taatttaatt cttttgcatt tggtttttac cttggaccaa ttgagtcact ttcgcccaag 240
 atttgttatt gtgttcacta t 261

<210> 38407
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944460H1

<400> 38407
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 ctgtgagttg aggggttagg gacgagcatc cagtgtgtat tgtaggtctg cgataattag 120
 cctgctgagg atacggtaat attcgtcgaa ttcgtggaca tatg 164

<210> 38408
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944461H1

<400> 38408

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 gagagagaga gagaggtatc acagtgagac ggagaagccc taactacgca cgcactcatt 120
 cttgagaaag ctcaatattc attcgtccat ggcactctct tctcgtctct tttccaaatc 180
 caaattgatc tatggctgtc aaatacttct gcaaaaggag catgctattc cagttcgtca 240
 ctttgctaaa gagtctgccc etc 263

<210> 38409
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944462H1

<400> 38409

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 tctgctcttc ttctaccttt caagttttta aagtataaag atggcagaga cattcctatt 120
 tacctcagag tcggtgaacg agggaacccc tgacaagctc tgcgaccaa tctccgatgc 180
 tgtcctcgac gcttgctcgc agcaggaccc agacagcaaa gttgcctgcg aaacatgcac 240
 caaaaccaac ttggtcatgg tctt 264

<210> 38410
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944463H1

<400> 38410

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 taataaagca aaatgcacac atcccccaaa caaaacaagc cttattcaac ccaaattggt 120
 ttcatatcac agaaaccaac aggatgccgc cttcctccta acgggtccca cccactcgaa 180
 caaaccttct acagaattaa aaatggctac aattcttcta ccaaaaatct gaaaagtcta 240
 acacc 245

<210> 38411
 <211> 246

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944464H1

<400> 38411

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 tggccggaat aatggcgagt ttatgtcaga gaaaggaggt gatacttctg aggctgcaaa 120
 acctgccaac aattgtaaca atcaaagtaa cacaacaccc tcttctacag ccaacaattg 180
 taataatcat agtaacacaa taacctcttc tacagccaaa aattgtaatt atccaagtta 240
 cattat 246

<210> 38412
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944466H1

<400> 38412

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 gccggatcca ttgacatttg gcttcaggct tgtagagat ggttctgaat caggaaaacc 120
 ttattctgat aaagattctg aattagttga atctctgct tccaaagggt ctgtgattgc 180
 acatgaaatg acaccaatgg aagttctggt tcgcaataac accaaggata tgatcaaaat 240
 gagtcttaat attacatgca gagatg 266

<210> 38413
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944467H1

<400> 38413

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 acagcccggg tggctcggac ttggccatga agcttcacta tctcagggtg gtgtacttct 180
 ttgctagtga ggctgcacaa gacctaacca tcatgaaaat taaggaggcc atgttcactt 240

tgctcaacca ttacttcacg acatg

265

<210> 38414
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 700944468H1

<400> 38414

caccctcata aattgcaaac accgatcaga aagaaaaaat gagttccctt cgtctggctt 60
atgctgtgtc gatcgagtgc ttgacactac aacttctcat atgcacagca gatccttcat 120
ttacgtgaca tgct 134

<210> 38415
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944471H1

<400> 38415

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ttttgatctg cgaaaatgag agagtgcac tccgatccaca ttggtcaggc tggatccag 120
gtcggaaatg cttgctggga gctctactgc ctcgagcacg gcatcgggcc cgatgggcaa 180
atgccaaagt acaagacagt tggcggtggt gatgatgctt tcaatacttt cttcagcgag 240
actggtgctg gaaagc 256

<210> 38416
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944472H1

<400> 38416

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taattacttg attgtagtta tcgaatttca tcattctaca gaatcaatgg tttcccggtt 120

attgaaaaaa ggcattaaag aaaagattcc cttggatcat tcatggcatc aagatcatat 180
 gttaatctac tagacttagc tggagggttta ctggatattc cacacaagat agnccccctct 240
 cganggatga tgacag 256

<210> 38417
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944473H1
 <400> 38417

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 aacctctctt cggtgcaagc tctcgccttc catcgtttat cctcttcttt tccccaaagt 120
 acccctaccc tttccttcaa tttccaacca aaacccttcg ctaaccgcgc cccaatttct 180
 ctgaaaccct acgtttccga gaaacctcgc gcgcgcgtgg tggcgcctggc cgtgaagagc 240
 ctcggcgaaa cggaggcggt g 261

<210> 38418
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944474H1
 <400> 38418

gttggtggtc aggacaagat ccgtccactg tggaggcatt atttccagaa cactcagggt 60
 ctcattttta gtggttgata gca 83

<210> 38419
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944475H1
 <400> 38419

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 ttattattat ttctaattct ctcttatcag gtccattgaa tatgtctccg tcgttgatc 120

ttcctcccaa ggggtggttc agttttgatc tatgccgaag aaacgcaatg cttcaaaaca 180
 agggcctcaa agccccaacc tttctcaaaa ctggcaccac tattgtcggg ttagttttcc 240
 aggatgggtg cattcttgg 259

<210> 38420
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944476H1
 <400> 38420

agccaaccca aatcgaagcg cagatcgaag acaaagaaga actcgaggaa gctcgccgcc 60
 gcaacgcttc agccaccacc accgcccccg ctggcaccgc cgctcttctc cgtcagctgg 120
 atcgcgggcg cgaagatccc tctttccagg cgcacgcacat cggcctctcc tcgtaaaacc 180
 ctctccatac tttcttcctt actggaggtc gaagtcaagc tgtgcctcgc cgactccaac 240
 gccaccgac acgtcacc 258

<210> 38421
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944477H1
 <400> 38421

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 cgttttgctt ctggaatgag gaatttggcc ggggtcatgg gaccttggca tgcagatact 120
 gggaacattg atgaaagttt tgcttcttct ctgttggaag agtttaaaac caatagaaca 180
 aagtgttttg agctctctga aattgcgggt catgttggtg aattcagtcg ggatcaatct 240
 gggagtcgat ttattcaac 259

<210> 38422
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944478H1

<400> 38422

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ctatatgcca acctctcttc tctaccatcc tccctcacca ttcgtttcttc ttcattccaaa 120
gataacctctt tgaaacagga ttggaggaca aagtccaaac ctatcccacc aggtggcaca 180
taccctgcaa aagatcattg cagtcgttgt gggttgtgtg atacttacta tattgcccatt 240
gtcaagaatg catgtgcttt 260

<210> 38423

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944447H1

<400> 38423

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atcgattgta gaacaagaga tgcgcttcgc cgtagttgtc tttctgagct cattgagggt 120
tatgatcaat gtgtacgagc tttcataaca gaaagcacag atggagatat tcttgaacta 180
caaattcagg atccttttca tagattgtta ctgcatggag tttgtgagtt ctacaatctg 240
gcgtcggata cagtgtcagg tt 262

<210> 38424

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944480H1

<400> 38424

agtagatata gcatatgttc ttttgccaag aagtcattga agaaatccag aagagatgta 60
acagaggcag ctggagatct cttagatgat aagtttggtc agaattgaaa cttggacact 120
tctcttaatc cagctgcccc gaattctaac cctttacctt ccaggagtgc tgtgcttcaa 180
gcttgcataa taacttgtgg tctcatagct gctttgggaa tagtgattcg gcagggtgtct 240
catgttgcgt cagtggaagg attg 264

<210> 38425

<211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944481H1

<400> 38425

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 ctgcacaagg ttaccaata caagaagggt aaagatagca ttgctgcca aggaaacgc 120
 cgttacgata gcaaacaatc tggttatggc ggacaaacta agcccgctctt ccacaagaag 180
 gctaagacca ccaagaagat tgttctgagg ttgcaatgcc acggttgcaa gcatgtctcc 240
 caacacgcta ttaagagggtg caagca 266

<210> 38426
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944419H1

<400> 38426

cctccatgct atgggtccgc gatcttcgcc gtttcatcgg atccggcgcc ggtctcggat 60
 ccgaagccct gatggagctt gaaactaaga gaattttgct cgacattttt aaggaaaagc 120
 agaagaaaac cgccgaagct gctacaattc ccactttcta caagaaggaa tctgcagatg 180
 gatcaatcag tcatagagtt cagagattgg caaagtatcg ctttctaagg aaacaatccg 240
 atcttttgct gaatgctgag gatttagat 269

<210> 38427
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944420H1

<400> 38427

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 ccagattaaa aatgatcttg gcatgtccaa ctatcccatg gtcccaggac atgaagtgg 120
 tgggtgaggta ctggagggtg gatcaaactg tagcaggttc agagtgggag agttggtggg 180

agttggactc ctcgtaggtt gctgcaaaaa ctgccagcca tgccaacaag acattgagaa 240
 ttactgcagc aagaagatct ggtcttac 268

<210> 38428
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944421H1

<400> 38428

tgctcttctg gcagttcccg cacttctgta tgccataaac aactatctga agtttatcat 60
 gcagctgtat tttaatcctg ctactgtgaa gatgctaagc aatttgaagg ttttagtaat 120
 agcacttctg ttaaagggtga ttatgaagcg ccggttttcc atcattcagt gggaagctct 180
 tgctctactg ctcatggta taagtgttaa tcaactaaga tctttacctg aaggaactac 240
 agctttgggt cttcctgtca caat 264

<210> 38429
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944422H1

<400> 38429

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 gacattggga caaaggctat atatcttgca tacttaccga tgggtcatat cttagaatta 120
 gcagctgaga atttgatggc agctgttggg gttcctatag gatatggatc tcctctgacc 180
 ttactgata cttcaaacia gatttcaaaa ggaacaaagg gggatgctac tgactgagg 240
 ccaactttaa tggcagctgt gcca 264

<210> 38430
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944423H1

<400> 38430

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gatgggatga ttccaaacca atggcaggtt gctgatctat cttatctagg catgagaaac 120
actgagaata gttactcgta ctatcaggat tactcaaata tggcatgtgg tgtcaatggg 180
tatactgtat tcaggccttc aaatgggtccg tagagggaaa agatgacaaa ggttgcccac 240
aaattagtgg tcatcaacaa atgt 264

<210> 38431
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700944424H1

<400> 38431

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ttcactggcg aacgttatga atccttgac tattattatg aattccatgc cagttccttc 120
tcctttgttg ataaagtctt ttaaacatt tccatcgctc aaatgctgca gcaagagctc 180
agatgagaag ggaagtgaag atgtgaagga cacattatct ggggtggtgg acgagcaagt 240
tcaagagttc ttgagtagaa aagaga 266

<210> 38432
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700944425H1

<400> 38432

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cgatcgatag ccgttgcaac acccgtcact ccaaagccgc gtgtcgttct agagcgaaac 120
ggcagcgttt cgaccaggtg attttattgc agtgcctcaa ctcgattaga tcaactcacc 180
tggtatgctgg gtgggaacag aagagaaaaa ccgaaataga aacataaaaa gtagctgcca 240
atttcacgtt ctc 253

<210> 38433
<211> 265
<212> DNA

<213> Glycine max

<223> Clone ID: 700944426H1

<400> 38433

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 cctcaccgga aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120
 ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180
 aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaaccct 240
 tcaccttgct cttcgtctcc gtggt 265

<210> 38434

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944428H1

<400> 38434

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 aacgacgagg cggccttcgc gaagagcgtg gacgagcagt tcggggtgct ggacctcaac 120
 aacgacggcg tcctctcgcg ctccggagctc cgcacggcct tcgagtccat gcgcctcatc 180
 gagacgcact tcggcatcga cgtcgccacg ccgcccgatc agctcgcgaa ctctacgact 240
 ccattctcga caagttcgac g 261

<210> 38435

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700944429H1

<400> 38435

ctcttattca taagttcatg caccataatc ataaatctca gaatatattt tatctcaaatt 60
 atttat 66

<210> 38436

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700944430H1

<400> 38436

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 agtaccceaa gccatttggg actggtagct agagtattgg acacaatggg gatgttggtt 120
 aggttgagta cttcttcttc aacaccaatc acgaacacaa cttctctttc tatggcaaaa 180
 atgctgaaca atctaggtgt ctattatata gttacatgtc ttctgtgaga actatggcat 240
 gcgagattct tgagttgctg gcagaa 266

<210> 38437

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944431H1

<400> 38437

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 tccaaattgc ttagtttcca aatggcagaa atccgagcac aaggatgaaa ctcgcaacag 120
 ttacttgagc aagagaggaa ttgggcttgt cgctgtgtca ccctctgcgc gtgtcgtcgt 180
 cggcgcccgc gccgatgcct tacccaaacg acaagatcta ctgattcacg gcctctgtgg 240
 ccagatctgt ggtcttcacg gccagat 267

<210> 38438

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944432H1

<400> 38438

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 gagagacttc tggttctggt gatgttacat ttgatttcta tgttccagac gaaaggtctt 120
 gattttgagt tgaaagttct tgaattttga tttctttgtc aaaagttagt gtctgaaatg 180
 cctaccagtg aaagctaatac tggatttctg tatatatattt taaattgaag cttacattag 240

ggtgacacta gattttgatg agaagtt

267

<210> 38439
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700944434H1

<400> 38439

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cagctttgga accgttcttc tagacctcct cagtggcaag cacatccctc ccagtcgagc 120
acttgatatg atacagggga caaacaatat gctcttaatg gattcacatt gagaggggaa 180
gttttcaaca gaagaggcaa cggtagttgt taatcttgcc tctaaatgtg tgcaatatga 240
accaaggag cggcctgata caaaggattt 270

<210> 38440
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700944435H1

<400> 38440

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gcagcacgag tactgaaaga aaaaagcaat atggtggata gcactagtag tgatgctagt 120
acagctcatc atagtgatcc gcatgatcac gtatttaagc caaaagaagg taaatataat 180
gcaaacgaag tgttctcaat ggattacact ccagccagaa ggaagccgcc gatccacaat 240
ttgaattgat ggataaattt tgtgccaca 269

<210> 38441
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700944436H1

<400> 38441

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tgtctcagtg tctctcttca caacctcacc gatctgccat ttcacactca taacaacttt 120
 gtacaatttg actcgatatg ttgaagtttc tctgcagcta aattgaccaa tagtttggtg 180
 cacttagatc taaaagctag aaagatgtct tttattggca ctcaacaaaa gtgcgaggct 240
 tgtgacaaaa cagtgtaccc cgttgat 267

<210> 38442
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944437H1

<400> 38442

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 accaaaacca aacctctctt ctttacaccc cctccaaac cctcactact cccattttca 120
 tgcttcaact cctcctgttc tctctccctc gccgcaccga ctacacgttc tccccttgta 180
 actttcgtgg cccaaacttc cgattgggct caacaagaag aagaacagag cctcgtgaa 240
 accgaagcgg gcctggaaaag ttggga 266

<210> 38443
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944439H1

<400> 38443

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 tcttttcttt tggccttggt catggtagta gctttgtcta tctttccttc catagtgggt 120
 gcaataggtg agcaccggct aaggtgggtg cctgagacaa caacaccatg ccaaagctcc 180
 atagaagagt gcatggcaga aggtgagttt ggaatggatt cagagtccca ccggcgcat 240
 ctagcgacct cacaatatat aa 262

<210> 38444
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944441H1

<400> 38444

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accctagaag tcgagagctc cgacaccatc gacaacgtca aggctaagat ccaggacaag 120
gagggatatcc cccagacca gcagaggctg atcttcgccg gcaagcagct cgaggacgga 180
cgtacccttg ctgactacaa catccagaag gagtcaactc tccacttggt gttgcgtctt 240
cgtggtggta tgcagatctt cgtc 264
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<210> 38445

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944442H1

<400> 38445

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caacatgcc a tatttgctga acatacagct gtgtcatctg ccagccatcc ttgcccgtat 60
attgcttact ttggaccagt acatccatcc tctccaatt ctggtggaac tgtatcagaa 120
gcttcaaact tcaaccattg gaatggctct gtgcccagtg acatgccaac ttcctacaca 180
tttctgctg ttgatcttca ttatcgagct tgggaacacc actccccctcc tttctctaca 240
gcaagtagtc gtctagttgc tg 262
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<210> 38446

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944443H1

<400> 38446

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cataatcttg aatcactttt ttttcttttg gttttacaat ggtgttttgg gggtagtggt 60
ctttaggttg tctgtcaa at tggctgatgg cttgtgtttg aaattgcttt tctcaatcc 120
tagtctcctt taggttgttt gttagtgttt tttgcttcat tgtttttcga tcttatttga 180
aagtagcttt taaagcacat cacgttgatt agaagcatgt ttcttgaaaa ggggataaat 240
atactatggt tgggta 256
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<210> 38447
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944444H1

<400> 38447

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 aggcaagagc aatcataaga atctctagag aacaatgatg agaattattga agaagacttt 120
 aaggtatcag atgcatgctt ctctttgata gattccctga agtgagtaac tgactgcact 180
 tcccaggcac tattgatatc aaagatgggt acgtaaagt aggggatttt aatatctttg 240
 acaaggtagc aatatgtcac tattttca 268

<210> 38448
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944445H1

<400> 38448

agagtaccga gcttttgatc aggaagctcc ccttccagag gctggttcgt gaaattgctc 60
 aggacttcaa gactgatctg cgtttccaga gccatgctgt gcttgattg caagaagctg 120
 ctgaggcata ccttggttga ctctttgagg atactaatct gtgtgccatt cacgctaagc 180
 gtgtaactat tatgccccaa gatatccagc tggcaagaag gattcgtggt gagcgtgctt 240
 gatgtggtgg tgggtggtgg gg 262

<210> 38449
 <211> 86
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944446H1

<400> 38449

gagactttgg ggattggtag ttgcccataa cactactccc aggtttgttc cctttacctc 60
 tacaggtata gctttagtagca gtttct 86

<210> 38450
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944417H1

<400> 38450

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 acacacacac acacacaaaa aaaaaacctt ggcaaaggat agaacaattg gtgtggctct 120
 ggttttcccc aaaagcagca agaatcctct gaaatgggca cttgaaaatt tagccgataa 180
 aggtgacccc atttatgtca tccacattaa ctccaactct ctagaccatt cccgaaacaa 240
 gctatgggca aaatctgggt cccctct 267

<210> 38451
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944383H1

<400> 38451

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 atcagaccct gattcaggga aaggaaagag caagatgtca aagaacataa ctcatggctt 120
 tcatttggtg aaaggaaaat catatcatga catggaggat tacgttgtgg ctcaatttag 180
 gcaaatagat aacaatgaat tgggtttggt tgcaatattt gacggccatg cgggtcacaa 240
 cgtacctaata ta 252

<210> 38452
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944384H1

<400> 38452

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 gaatgtcagt tatattgggg taccctgaca attcagtga agtttttgtc aaaggagcag 120

acacatccat gcttaatgtg atagacaggt cattcaaaat ggacttagta agagccactg 180
aagcacatct tcactcttac tcttccatgg gtttgaggac acttggttatt ggtatgagag 240
acttgaat 248

<210> 38453
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700944385H1

<400> 38453

ccctagtcaa ggagattcat ctctgcaggt tgtttttagaa aagaaaaaat ggtgaagatt 60
tgctgcattg gtgctggata tgtggggggg ccaacaatgg cagtcattgc tctgaagtgc 120
ccctccattg aagtggctgt tgttgacatc tccaaatccc ggattgcagc atggaacagt 180
gacaagttcc taatcatgag ccaggcctta atgggtgtgt gaagcatgtc gt 232

<210> 38454
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 700944386H1

<400> 38454

catctttaag ccaattgcaa tcaaacaaag tttcagtttt tgggtgttcca tttttcttcc 60
tccatcttta tcttaaacad aacttgaact ctccattcct taaatttttag ctacgagcta 120
gttccgacac agacaaagca atggcaaaga ccgagttaga ggt 163

<210> 38455
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700944387H1

<400> 38455

tttaaagtta accttagaac tcatttgaac gaaatttcac tgaaccaa at ggtagttgtc 60
ctatagaata tctttaaaac tagagtcata taggatgccca ccaagattgt aattaaattc 120

attccaaacc agttcaatcc ttttcagtca tctctttggt cacgttttca cagtaacata 60
 acatattctg tggaaatatg gcaaaaacttg gagactgtgc agctcatttt tttattgcag 120
 caatggtttt gagcacgttt tacgtgacca aaactgtggc acaatcagaa attgcaccca 180
 catcgcaaat ggagactggt gcagggtttg ctttgtctgt ttctgggggt gacc 234

<210> 38459
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944392H1

<400> 38459

gcctttgagg gcctgtggaa gaagtgtctg cttaagccat ctctgtcac tctgatcga 60
 aaaacaaaa tcaaagttag gtcaacttag gtgaaccaca tgtaatacaa aaaacttttg 120
 accaagtatc taag 134

<210> 38460
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944393H1

<400> 38460

tttcattaaa ggcctagata ttccagaaga agcaaagagt aatatgttga agttaacacc 60
 tgatacttat gttggagcag ctgttgaatt ggccagaaca gtggaaaatg tggatgaatac 120
 tgtgattgga ataaagatct aggaaacaaa caaatggttg aaacagtttg 170

<210> 38461
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944394H1

<400> 38461

ggcgaagatg ttactgttgg taactttttt gctgctttac ttggaaacaa gtcggcactt 60
 actggtggca gtgggaaggt tgtggacagt ggacctgatg atcatatatt tgtatactat 120

actgaccatg gaggtccagg ggtgctcggg atgcctgctg gtccttactt atatgcggat 180
gatctgattg aagtcttgaa gaaaa 205

<210> 38462
<211> 204
<212> DNA
<213> Glycine max

<223> Clone ID: 700944395H1

<400> 38462

tctcgagccg aatcggctcg agagcaatta atcatattcc tctctcattc tcaactataaa 60
caacaaaacc cttcccatcc taattaaggt gaaaatgaag gcatcaccca ttgcttggtt 120
cacttttggtg gttgtgtttc ttgtggctga agttcaagtt tcaatggcag tgacatgcag 180
cccagtgcag ctgagtgcaa gtgt 204

<210> 38463
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700944401H1

<400> 38463

ggatttgatc aaggcttgga ggttgagtcc ttctgtaagt gcaattccct caccattctg 60
tgctgctccc atttggtgaa gaactttctc ttttcagttt tcaacttctc cctacactcg 120
tccaaagcct ctagtcccta ttccacgtgg caaaagtaga gactctgatt ctgagccgct 180
tctagaatct tccatcgtgc aagaagtttc attcgacgac gacgacgaag aagaattcct 240
tgacgaattt gaatacgatg aagcagcgga tggcg 275

<210> 38464
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700944402H1

<400> 38464

ctagaatgga atttcgatgc tcagtcattc cttttaccat tctcttctct cttgctcttg 60

caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120
 caaacactcc cattcccact gcaactgagag agcttctaaa gcctctccct gcaggtgttg 180
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttcttctata 240
 aagaagacct tcatccaggc aaaacaatga 270

<210> 38465
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944403H1

<400> 38465

agaagagggtt gcataactga acaaacaaag caaccctatg tcgaagggtg tttgtgtcac 60
 cggagccagt ggcgccagtg gatcataggt ggccctctc ctccaccagc gtggttatac 120
 ggtccatgcc accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat 180
 ggaaggagca aagagtcgtc tccatttttt tgaaatggat cttcttgaca tcgactccat 240
 tgccgctgcc ataaagggtt gctccggcg 269

<210> 38466
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944404H1

<400> 38466

aagagtgttt cttgggggga attacattgg tggagctgag gaaattcaga ggctgcatga 60
 ggatgggaag cttgagaagc ttttggtttg ttgtgagaag attgaggaca gtgttgaggg 120
 tgatggagga gggggagtgt gtgaggcttg tggggatata aggtttgttc cttgtgaaac 180
 atgttggtga agctgtaaaa ttactatac aggtgatgaa gaagatgaag aagaatatgt 240
 tgatggtgaa gtgggggagt gtggat 266

<210> 38467
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944405H1

<400> 38467

atcgcggtttg ggagaagaag agcaaaatcg ctgtgaaaat gagcggaacg gtgaagaaag 60
 ttagcgatgt agcattcaag gtgggaagga acatcgattg ggatggaatg gcgaacttct 120
 ggtctccgat gaggctcgca gggagttctc caatctccgt cgcgctttcg acgaggttaa 180
 ctcccaactc caaaccaagt ttagccagga acctgagccc attgattggg attactatag 240
 aaaggaatt ggcactcggt tggtgg 266

<210> 38468

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944406H1

<400> 38468

gtttctcttg gtttgtggag tgggtgtcaa ggtgcaccac aagtgccatg ctacttcatt 60
 tttggtgatt ctttggttga taatgggaac aacaaccagc tccagtcttt ggctagggct 120
 gattacttgc cttatgggat tgacttcctt ggtggacctt ctggaagggt ttccaatggg 180
 aaaaccactg ttgatgcaat tgctgaactt ttgggattcg atgattacat acctccatat 240
 gctgatgcta gtggcgatgc tata 264

<210> 38469

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700944408H1

<400> 38469

gagaaaaaga gagaggtaga gaaaagcgaa gagtctctct ctctctatct ctctctttca 60
 atgtcagggc acaaattctc cacctactac ttctctctct tcttctctct aacctatctc 120
 agaaggaaac gcgaaaaaag aaaaaaaaaa aagaggcaga aggttctaga agccgccaat 180
 ttttatttct ttttaattgt ctgagtcaaa aacgtccggg attataacca tggattcttc 240
 gtgtgtccca aacggcgacg tttctg 266

0953113-032200

<210> 38470
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944409H1

<400> 38470

gacgcgccgc tacatgaccg acatgataac ctacgccgac accgacgtcg taatcgtcgg 60
agccgggtcg gcggggctct cctgtgcgta cgagatcagc aagaaccccg ccgtgagcgt 120
cgccataatc gagcagtcg tgagccccgg cggcggcgcg tggctcggcg gacaactctt 180
ctccgccatg gtggttcgca agccggcgca cctcttctg gacgagctcg gcgtggcgta 240
cgacgagcaa gaggactacg ttgt 264

<210> 38471
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700944410H1

<400> 38471

tgtttctctc tcaactctca caacccatct ttcatatcca aattccaatg cttcttcttc 60
cttcttattt caatttcaat cactactatt attactcttt cacgcttttg cttctcgatt 120
tttaaaccct aaatctatct atctgtctaa tagataagat agggcaaaaa caaaacaaaa 180
caaaataaaa ccctagccaa agaaagacct tgttgagcag cagcagcaga gagagagagg 240
cttatggaag gagtaccgca ccc 263

<210> 38472
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944413H1

<400> 38472

cacagcacta gatcatgggtg tcgtggctgt tgggtatggt acagctaata gtcattgatta 60
ttggatcgta aggacttcat ggggtcctag ctggggagaa gatggctaca tcagggttaga 120

aagaaatctt gctaacagca gatcaggcaa gtgtggaatt gcaattgagc catcttatcc 180
 ccttaagaat ggtccaaatc cacctaatacc tggaccatca ccccttcac ctgtgaagcc 240
 accaaatgtc tgtgacaact acta 264

<210> 38473
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944414H1

<400> 38473

caaaagattt catcaaagta ccaatgacag atatgagaat gagagcagat ccagcatcag 60
 gctaccctgg gagaacctac agattctaca ctgggtccaaa ggtctatgaa tttggctacg 120
 gcctaagcta cacaaaatat tcctacaagc tcctctcact ctcacacagc accctccaca 180
 tcaaccaatc atccacacat ttaatgactc aaaattccga aaccatacgc tacaagctgg 240
 tttcggagtt ggcggaagaa acatgc 266

<210> 38474
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944382H1

<400> 38474

cttgagctct gcgagatctt gagtcgccga tttgaaaaga tgagtaagct tcagagtgat 60
 gctttgcgtg aagccatctc aggaatcatg gccgattcca aggagaagaa tcgcaaattt 120
 gtggagacca tcgaactcca aatcggtttg aagaactacg atccacagaa ggacaagcgt 180
 ttcagtggct ccgtcaagtt gcc 203

<210> 38475
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944415H1

<400> 38475

cttgggagga gttcaaaaga cacagactag gcgctgccca aaattgctct gccactctta 60
 acggcaacca caagctcact gatgctgttc ttcctccac gaaagactgg aggaaagaag 120
 gaatagttag tgatgttaaa gatcaaggca gctgcggatc atgctggaca ttcagcacia 180
 ctggggcttt agaagcagcc tatgcacaag catttgggaa gagtatctct ctttctgagc 240
 agcagctagt ggattgtgct ggccg 265

<210> 38476
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944416H1

<400> 38476
 accagtcaca gtgaaaattt agcaaatga tgagaatctc tgggagtata ttaaccattt 60
 tggaggactt gctgtgtaca tatttttgct gctgagactg tgtgaagagg ccaaggcaag 120
 tatcagacat ggtgtacttt ttcccttgt caagtttctt gtgacatagt aggcataagt 180
 tagtttctcc ccaatctgtt gtgctcttcc tttgatcaag atctttgctc tacatgcatg 240
 catgttctac taaactattc agaagtcta 269

<210> 38477
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944349H1

<400> 38477
 ggaggagcac caaagggctc tcaactgaga gacattgatc gtggagcaga tattgtggta 60
 gccactctg gtcgcttgaa tgatattctt gagatgagaa gaattagtct taatcagggt 120
 tcttacctgg tgctagatga ggcagacagg atgctggata tgggttttgg aacctcaa 180
 taggaaaatt gtgaatgagg tgcccaatcg caggcaaact ctaatgttta ctgcaacatg 240
 gccaaaggag gttaggaaaa tt 262

<210> 38478
 <211> 251
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944350H1

<400> 38478

ttgtttgttg ttgtaactcg ttcttcttct tttgttggtc tgtgtttgtg tttgtttttt 60
 ctctcacctg aaaatgtctt gctgcggtgg taactgtggt tgcggaagct cctgcaagtg 120
 cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180
 caccgagacc ttggtcatgg gaatggcact gttaaggctt catttgaagg ttgctgaaat 240
 ggggtgtgcc g 251

<210> 38479

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944352H1

<400> 38479

gagagagtgc atttcaatcc acatcgggtca ggccgttatt caggtcggaa acgcctgctg 60
 ggagctctac tgctcgaac acggcattca gcctgatggg cagatgccaa gtgataagac 120
 tgttggtgga ggtgatgacg ctttcaacac cttcttcagt gaaactgggg ctggaaagca 180
 cgtgcctcgt gcgatttttg tagatctcga gcctactgtt gatttgtgaa gttaggactc 240
 ggacataccg 250

<210> 38480

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944354H1

<400> 38480

ggacgaacct atattggaga aagccattgg gtcggaaatt gaatggtacc cgggaaaatg 60
 tttgacttag aaagttttga agataaagcc taagacgggt tcaaagaatg ctagaccaat 120
 taccaaaacc gagagctgtg aaagtctctt tcaatttttt caaaccacca gaagtccttg 180
 aggatgatga gtctangatg aagatttggc tgaggaactt cagaatcaga tggaacaaga 240

ttatgacatt gg

252

<210> 38481
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700944355H1

<400> 38481

gttgtaactc gttcttcttc ttttgttggt ctgtgtttgt gtttgttttt tctctcacct 60
gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt gcggcaacgg 120
ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180
cttgggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240
cgctgagaac gatgg 255

<210> 38482
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700944356H1

<400> 38482

tctcgagccg aatcggctcg agattcggat acatcttcca gagttactct caagtcttaa 60
cacggtgggtc ttccttgatg aacacattgt ggtacaaact gatctttcac ctctgtggga 120
cattgacttg aatggaaaag tcaatggagc agtaaaaaca tgcagtggag aagataagtt 180
tgtgatgtca aagaggtgaa aagctattta aattctccca ccctttaata tccaaatctt 240
gatcccaatg 250

<210> 38483
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700944357H1

<400> 38483

attccggata acctaccact tgatgctgct gtcctatcc tctgtgctgg gatcactgtg 60

tatagccctt tgagatacta tggacttgac aagcctggtc tgaatcttgg tgtggttggt 120
 cttggtggac tttgtcacat ggctgtcaag ttgccaag ctcttgagc taatgtcaca 180
 gtgattagca catctcctaa caataagaag gaagccattg agaacatag 229

<210> 38484
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944358H1

<400> 38484

ctcgagccgc accagcacca ctgctactgc cacgaagggc caaacggac gtgcaagtct 60
 gacggctaca cgggtcccaca ggggacacag atcctcatca acgagtgggc cataggaagg 120
 aacccggcca tatgggaaga cgcacatagg ttctcgccag aaagattctt ggactctgac 180
 atagacgtca agggtcgcca cttcaagctc acgccgttcg ggagcggaag acgaa 235

<210> 38485
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944359H1

<400> 38485

aaagtatttc ttgtcttcga atatgtacca aatggcacgc tcaggaattg gatctctgat 60
 gagcatgcta gaaaatcctt gagttggact caacacatag gagctgcaat tggagtggca 120
 aaaggaatcc agtttttgca tacagggatt gtccctgggtg tatattccaa tgatctgaag 180
 atagaagatg ttttattcga tcagaatctt gttgcaaaa 219

<210> 38486
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944362H1

<400> 38486

acacgctctt gtggaatatg agactatgga ggctgctgag aaagcagtgg ctatgttaaa 60

taatgaacaa gactggagaa atggcatgcg ggttaaactt ctcaaggga tggggaagta 120
 tggacacaaa aaacaagctt ggaaaggaca tcattctgag aagaatagct caaggcctga 180
 acaaacagga gatgaggaga atcatggctc taatgatcat catgaagata cccatgagga 240
 agaagat 247

<210> 38487
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944363H1

<400> 38487

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 tcttgggtctt gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc 120
 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
 aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240
 agaagacctt 250

<210> 38488
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944364H1

<400> 38488

caaggatgta aaagtacctc tggatattct aatattcaag ctcatgaagg catatatgcg 60
 ttctcatct ctacgaaaag cagctttaag ggctctgtct aagatgttaa ctgttgatga 120
 gctattttat ttgagggagc agtttgact tttagagcca agcaaaaatg gcactattag 180
 cttggaaaat atcaaagcgg tcttgatggt aaatgcaaca gatgctatga aggagtcacg 240
 ccatactgac ttt 253

<210> 38489
 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944365H1

<400> 38489

gttgcagctc ctactgtcta acaactacgc tgaagcagaa ggtctagata aggagttctt 60
ctcttcaggc aaaaaaaaaa atggaggatt cgttggagaa ttggatttca ctgttggaaa 120
tggaagatta tcatgatggg tcatt 145

<210> 38490

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944366H1

<400> 38490

acagaataat gaaaattttg attgtaactg tgaagactat gtggggtctg aaaggctgaa 60
gttcaaattt gatggtagtt tcaagcggac tttcccttca gaagacaatt cctccagcag 120
tccagattca tcaaaaagtt ttggtgagac acaattagat ttatttcacc atcgccatgg 180
cttgttgata ttgcatcttg ttgcaacgat gatgtttgcc ccatccgttg tagcttggat 240
ccagaggttg gcgtgg 256

<210> 38491

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700944367H1

<400> 38491

caccgcccct cgtttcttca cactctgccg tgetctttcg gcgcaggtca agagattcgc 60
aatagaaagt gagaaaaaaaa aatgagtcga ggaagtgcaa ctgctgcgaa gggcaagaag 120
aatagagcga cattcaccat tgattgcgcg aaccggtgga ggacaagatc atggacattg 180
cgtctctcga gaagttcctt caagagaggt ttaagggttg tg 223

<210> 38492

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944368H1

<400> 38492

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 cagacgtctg atgtactcta cttaacagtt gagctgcctg atgctcagga tgtaagctc 120
 aaactggagc cagaaggaaa attttacttc tctgcaactg ctgggtgcaga gaaaattcct 180
 tatgagggtg acattgatct gtttgacaag attgatgtaa ataatagcaa agctagtgtt 240
 ggttcaagaa acat 254

<210> 38493

<211> 193

<212> DNA

<213> Glycine max

<223> Clone ID: 700944369H1

<400> 38493

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 ttttcagaac tcaaagcagg ttactttaac tccctaggag ataggcaaca aaaagcactg 120
 atacagtatc atgttcttcc cgtttatgtt tgtcagctcc aactttgatg ctctgagcaa 180
 ccctgtgctg aca 193

<210> 38494

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: 700944370H1

<400> 38494

gcagaagacc tccctatddd tgcccttcaa gatgacaggg tggttgaagt agttggggat 60
 cccgctggag tgcataaggc attagagtta attgcctccc acctaaggaa gtttttagtt 120
 gatcgcggtg taattccaat ttttgaaatg aatatgcaac agccaatccc caccatgcag 180
 agcacatg 188

<210> 38495

<211> 252

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944371H1

<400> 38495

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 aattctgaag agcataaagg atttgagat ctttttcta acaatggagg ttttacacag 120
 gatatttgt atggccttgg ggaacttgat ttgtggttgc tacccttgcg tttatctgat 180
 gaccacagtt ttgaggagtt catgtatttg caaggaaatc agcctaataga ctattacaaa 240
 aatgcagtga aa 252

<210> 38496
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700944372H1

<400> 38496

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 taaccgtgca aaaacggcat gaaatttgaa atgaaacgag tggaatgcga gccgagcaat 120
 gtacatgtac ttttcaattt cattttcaac ctctgttctc ataaacccta gaaaaattca 180
 aactcttggg attccatcaa caacgatgag agangnatgc aaaaaatgca cttttgtgaa 240
 ccccccttct ca 252

<210> 38497
 <211> 204
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944373H1

<400> 38497

ctcgagccgg gctggttcaa ctgaggtgat ggctttgaat ttgccttctc ccgccaagt 60
 gaagccctta tttttctctt caaataactc cacaaaactt ccaggtcact gttctgtgaa 120
 gatggtagat agtgacacaa cagtagagag cacgattgta ttgctctgcc gctgctcaag 180

caccagcacc agcatggcca ggaa

204

<210> 38498

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700944375H1

<400> 38498

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taagtaatca tgggtaagga aaagggtcac atcaacattg tcgtcattgg acatgtcgac 120

tctgggaagt caactaccac ttggtcactt gatctacaag cttggaggta ttgacaagcg 180

tgtg 184

<210> 38499

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700944376H1

<400> 38499

ggatttttcg agcaatattc tctctctgtc acttcacctc acacgatctc gttccgattg 60

cacgcgtttt aatga 75

<210> 38500

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700944377H1

<400> 38500

ccgaatccct tatcaagcag gggtttcgcg gcccgagacc atgtcaaacc gagacggtga 60

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catttcggtt cctctcacat cccccacccg ccgcactctc gttccgtca atagcct 177

<210> 38501

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944348H1

<400> 38501

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cggagccagt ggcgccgttg gatcattggt ggccctctc ctcctccagc gtggttatac  120
ggtccatgcc accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat  180
ggaaggagca aagagtcgtc tccatTTTTT tgaaatggat cttcttgaca tcgactccat  240
tgccgctgcc a                                                    251

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<210> 38502

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700944378H1

<400> 38502

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cagttccagg tatagttcat gtgctgaaga aggaagcat ggaagctcgg gaaaatgcag  120
ctgcaacact tttcagcctt tcagttatag atgaaaacaa gggtacaatt ggggtctttag  180
gagccatacc accactggtg aactgctaa gtgagggtag ccaaaggggt aagaaagatg  240
ctgc                                                    244

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<210> 38503

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700944379H1

<400> 38503

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gaacccaagg agtttgtctc gttggaccaa cttgctgaac ttggagtcct tagctggaaa  180
ctag                                                    184

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<210> 38504
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944380H1

<400> 38504

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 tcatgctaaa aaggcaaaca agtacattat tatggaagtt accaagcgca acatagcacc 120
 atgtagcaaa aactgcctac cgccagcacc aaatccttac aacagaggat gctccaggat 180
 atgcaaatgc agaaaatgaa gtcttcagtt cgttcaatgg gaagaataag gaaatcatat 240
 acctatattt 249

<210> 38505
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944311H1

<400> 38505

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 ctctgaccgt gttgttgatt caccatgctg tctggtgact ggagaatacg gttggactgc 120
 aaacatggaa aggatcatga aagctcaagc cctaaggagc aacagcatgg caggatacat 180
 gtcaagcaag aagcaatgga gatcaaccct gagaa 215

<210> 38506
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944312H1

<400> 38506

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 gcatgtatct actaagtgcg gggctctgatt ctagattgag gttgtgggat gttgaatcta 120
 gctgcaacac acttgtgaac tttgaaacag ttcgtctgca aa 162

<210> 38507
 <211> 151
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944313H1

<400> 38507

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 tggaggcaag aattatgagg ctcattaggtg ttgggaggat atatttgatg caatcactga 120
 tgctaaacac ttcatatata ttactgggtg g 151

<210> 38508
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944315H1

<400> 38508

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 ctcttcttga tcaattccac ctcagcggca gccggaggcg gcagaagaaa gctccgtttt 180
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 catggtgcaa actgggacta ca 262

<210> 38509
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944317H1

<400> 38509

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<210> 38510
 <211> 269
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700944318H1
 <400> 38510

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 cagcaagaga cccttcaggg attctctccc catacaccta caatctaaga aacacaggcc 180
 ctgatgatgt ttacattaaa gttcactact gtggaatttg ccattctgat ctccaccaga 240
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<210> 38511
 <211> 120
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944319H1
 <400> 38511

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<210> 38512
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944320H1
 <400> 38512

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 ggcattattg ttgtttatga tgtcactgac caagagagct tcaacaatgt taagcagtgg 180
 ctgaatgaaa ttgaccgtta tgcaagtga aatgttaaca agcttctagt tggaacaag 240
 tgtgatctta cggcaaataa agttg 265

<210> 38513
 <211> 264
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944322H1

<400> 38513

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ttccatcatt gaggcgtttc caatctaacg aagaggaagc cactacactt catgtgcgtg 180
gttttatgtt gcatgtgttg atattattat taacagctat gtgatcttcg tgtgatgtgg 240
ttttcatccc taccctgtgtt atgt 264

<210> 38514

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944324H1

<400> 38514

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gaagtggatc cttcgcgaca cgaaaatgac cctagcacc cttgttgcgc tggagaacca 180
cccaattcac ctgaaccctg cgcactacat cgtgagatta ttagagaagg cacaaaaaat 240
ggcatgcttt cttt 254

<210> 38515

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700944325H1

<400> 38515

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gctgaaaatg agggaaaatt ccactcattc caccagttg cgaccatcct tagttacctg 120
accaaggccc ctctggttcc accgggtaca ccagtggatga atgcgttgtc aaagcagcga 180
gctatgctgg aaaacatcct gagggcttgt gttgga 216

<210> 38516
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944326H1

<400> 38516

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 aatattcttg ggagtggcat gtcaaacaaa atgtgggatg ttctagttga gcatgcaaag 120
 acttgtgttc ttagtggaata actctatgta tactatcccg atgatgcaag gaatgttggc 180
 gttgttttca ataacatcta tgagttgagt ggtttaatta ccaatgacca atattactct 240
 gctgattctc tctccga 257

<210> 38517
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944327H1

<400> 38517

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 tgcagattgc ccttaacctc aagggtctag attatgaggt tgttgaagag accttgaatc 180
 ccaa 184

<210> 38518
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944328H1

<400> 38518

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 gattcctgcc agtccacttc ggggtgccgcc cagtccgtca agattctcaa tgtctccaaa 120
 actcactaga cttcaatcat agcatctcaa tctgaaccaa gttacaagag ctacccaaaa 180

cttctcagaa acattacaaa

200

<210> 38519
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944329H1

<400> 38519

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 gtggcattga gaggaaagag aagtttggtc caaccttgaa aacattggat g 171

<210> 38520
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944330H1

<400> 38520

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 ggaggactac ggtttcgagt actccgatga gtaggaagtg gagcaagacg ttgatatcga 120
 gaatcaatat tacaattcaa aaggtatggt agaaagtgat ccagaaggtg cgcttgctgg 180
 ttttgctcag gtagtgcaaa tggagcaaga aaaagcagaa tggggattta aagctctaaa 240
 acagactgtc aagctat 257

<210> 38521
 <211> 220
 <212> DNA
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<223> Clone ID: 700944331H1

<400> 38521

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 ttgattcgac cactggtggt tttgaagctg gtatttccaa ggatggacag actcgtgaac 120
 atgctctgct ttcattcacc cttggtgtga aacagatgat ttgctgctgt aacaaaatgg 180

atgctactac acccaagtat tccaaggcca ggtatgatgg

220

<210> 38522

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944332H1

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tccttgggaa cctgcaacat tagtgggaaa ttcgatccag aaaactgtgg agctgattgt 120

aacaacttac caggcttcgg cattgcttct atttaattcc tcagatagac tgagttattc 180

ggagataatg tctcagttaa acttatctga tgacgatgtt attagactgc tccactcctt 240

gtcatgtgcc aagtacaaga t 261

<210> 38523

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944333H1

<400> 38523

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gcattgggga gtaccatact ggtgtcaatg caaggaagag gaagaagcat cagaaagctg 180

ggttagagaa gacgccactg gatatgtacc aggcgaacac gttacctgtt gttggagaga 240

ttgttaatga cagcctccct gt 262

<210> 38524

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944334H1

<400> 38524

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acacagttgt caactccaac agtccccaag aggttgaaga gggcaaggaa attatcttca 120
 catatgatgt tgaattccag gagagtgcg tgaagtgggc ttcaagatgg gatgcttatt 180
 tgctaataaa tgatgatcaa atccactggg tctctattgt taactcatta ctgattgttc 240
 tcttcctttc cggcatgggg gaat 264

<210> 38525
 <211> 135
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944335H1
 <400> 38525

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 acgcttcaca agcttgaaaa gggggctttt gggtatggct cctatttttc actctcaatg 120
 atggacagac cacta 135

<210> 38526
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944336H1
 <400> 38526

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 acaaccgttg cctggacctg gacctggacc tggaccacac aatccttcg gaaatgtaaa 120
 ctacatcgag gcaccaaagg ctgctcctag tggttcttgg gacaacgttt ggggaaatga 180
 cgcaaataaa tgatacagta tggtgttctg ctaaaagagt ttgtccaaat acattgaaaa 240
 gaagaaaaaa acagctgcat 260

<210> 38527
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944337H1
 <400> 38527

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 atagacaaca aaacacaaaa caccgtagaa gagaatctaa acggtttaac cttgttcttt 120
 ttaaaatatt tcc 133

<210> 38528
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944338H1

<400> 38528

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 ctgtgtgagt tagccaattg tccacaaacc acaagctgtg gaatcctcag aggaagtgtc 120
 aggccctgggtg ttggggctgt tataaaacttt tgctcatctt atttggtagg agcaccagtgt 180
 gctattgtat ttgcctttta tcggaaactt cggatggtgg gcctttggta tgggttgctg 240
 gcagcacaga tcgcatg 257

<210> 38529
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944310H1

<400> 38529

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 tttcggtgaa agggatcaaa ggccgtttga accgtcttcc ctccggcctgc gttggcgaca 180
 tggatgatggc caccgtgaag aagggaacac cgatctgagg aagaaggtct tgccagctgt 240
 catcgttcgc cagcgc 256

<210> 38530
 <211> 190
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944340H1

<400> 38530

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atgcaccagc tgaatagact ttcaagcttg cggatgctgg aatgcggaca ccataaaggc 120
gacttaaagt gattcgtcac ttacgtaata cgcgggtcctg gaattagagt acctccagct 180
atagtcacgg 190

<210> 38531

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700944341H1

<400> 38531

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ggagttgata taatttccat ttcaaccgga cttgctagta tagtgtgcat tccg 114

<210> 38532

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944342H1

<400> 38532

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attaccttct tttttctaata tagaaatgaa gtttggttaag cttctgtaaa gcagatatgt 120
cagatcctcc tctcttctt catcaagggt ctggccatcc tgccaccaag ccataatcct 180
ctcttttaga gtcaccacca ccaaaattat caatgaggaa gtctataacg acgacatcaa 240
cgctgctcagc g 251

<210> 38533

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700944343H1

<400> 38533

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 atgatgccat atcatcgata ttgatctcct tagccatcag catcccaagt gtccaacctt 120
 aagatc 126

<210> 38534
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944344H1

<400> 38534

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 ttgccaatag ctttgatttt caccgacaagg atttggtgtc cgaggaaagc ctgtgggact 120
 tgtacgatag attga 135

<210> 38535
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944275H1

<400> 38535

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 agaggatcct gacccatgta aatggaaagg agtgaaatgt gatctgaaaa ccaaaagagt 180
 aacacatctg agtctatctc accataagtt aagtgggtct atatcacctg accttgggaa 240
 gctagag 247

<210> 38536
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944277H1

<400> 38536

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ttcatactat tctatggtaa tgaaccatca atggcagggg aagaccctgc taaggtcatt 120
 agagaggcac ttgcgcaaac tcttggtttt tactaccctt ttgcgggtag gattagggag 180
 ggactcgtaa aaatttgggg ggggtt 206

<210> 38537
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944278H1

<400> 38537

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 ctggtggggg gatgacagtc ttgatcccca ggaacactac tatcccaaca aagaaagaac 120
 aggttttctc aacctattct gacaaccagc ctggtgtgtg gaccaggtt tatgaggggtg 180
 agagaacaag gtctagagat aacaacttgt tgggcaaatt tgaactttct ggcattcctc 240
 cagc 244

<210> 38538
 <211> 177
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944279H1

<400> 38538

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 tgagagaact ttgggcaaca ggatggatac acaacagaat aagagtaata gtttccagtt 120
 ttgctgtgaa aatgttgcta cttccctaaa aggggggaat gaaatatttc tgggaca 177

<210> 38539
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944281H1

<400> 38539

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gcatatcaaa agcctcaggt tggaaaggag aagaaaacaa agtaatcgaa ttacattgcg 120
 tcgtgtatat ctcttcatcc tggccaactc tcagcagaca cagaatttgg tcagtcttca 180
 atcgaacttt accttggttc aagtttcaac tactg 215

<210> 38540
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944282H1

<400> 38540

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 ttctgtctct tccgttgaca tacgtggctc acgttctggc agttgttgcc agcgtcttgg 120
 tcgtggctctg ggtcgtcaat ttcaggggtg gcttggettg ggattctgat aacaagtccc 180
 tcattctcaa cattcatcca gttcttattg ttattggctt actagttcat ggggggtgaag 240
 ctattataa 249

<210> 38541
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944283H1

<400> 38541

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 tgatgtcaaa aggcacacag tatacacaac aatcatacaa agtaagtgcac tcattcccat 120
 tcaaatggat aaacaagaag tggagagaag gttttcatgt gacctcaatg gccactgctg 180
 gaagtcgttg ggggtgttgtt atgtcgcgaa atgccggatt cagtgatcag gttgttgaac 240
 ttgattt 247

<210> 38542
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944284H1

<400> 38542

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ccaacaaggt ggactttata ttcaacaagt tttctgtcaa acccggtca gaggaggctc 180
agatcatgaa gaatactatt agtgagtgtg aagagggtgg aatcaaagga gaggaaaagt 240
actgtgc 247

<210> 38543

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944285H1

<400> 38543

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acatgcttga cattcctccg gcagcagagt ccttgaatgg ggtaaaatg gaattggtgg 120
atgctgcatt ccctcttctt aaaggtgttg ttgccacaac tgatgtggtt gaggcattgca 180
ctgggggtcaa tattgccgtg atggttggtg gattcccaag aaaagaaggt atggagagga 240
aggatgt 247

<210> 38544

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944288H1

<400> 38544

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gaaagtgtga gtatcgccgc cgtagcccta ccctctcttc atattattct attgcctttc 120
tttaactccc tcactttttc agttttgaag cgcttccagt ggcgtattta cggttatacc 180
cttcttgta tgatagcttc caatcggcgt cagcactagg ccgaagctct tggcttccac 240
acatattt 248

<210> 38545

<211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944289H1

<400> 38545

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 ggccctgcac gtgttgaaat cgatgatcac cctatgcaaa ttgaagaaac acagtaccgc 180
 aaaaccttct tctataaaga agaccttcat ccaggcaaaa caatgaaagt acaattcagc 240
 aag 243

<210> 38546
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944290H1

<400> 38546

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 ggtgcagatc tcaaggggga tctgaggtga gggttttgatt ggggaggagg ggacaagacg 180
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 aggtt 245

<210> 38547
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944291H1

<400> 38547

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 aatatattatg atattctcgg gatttccaaa aatgccagtg aagatgaaat caagaaggcc 180

acaaagtcgt ttgggtgagg ggttcttccg ggggcctggg gcaatatttc tgcaccccc 180
caaaaagggg gtt 193

<210> 38551
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 700944296H1

<400> 38551

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ttgctttctca acatggagta tcgtctccta cccattttta ctttactcaa tattgcactg 120
gtggcaaccc atgctgcttt accccctgaa gtttactgga agtcgggggt tcctattag 179

<210> 38552
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700944301H1

<400> 38552

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ctcaccacca tcaccatcac cctctgctc ctgttaatcc acctctgtt ccggttcac 120
ctccagttaa acctctgtt ccggttcacc ctccagttaa acctctgtt ccggttcacc 180
ctccagttaa acctctgtt ccggttcacc ctctgttaa acctccggtt gttccggttc 240
acctctgtt taaaccccggt ttgttcgggt tcacc 275

<210> 38553
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: 700944302H1

<400> 38553

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acggcgatgg ttgcattact accaaggaac ttgggactgt tatgagggtca cttgggtcaaa 120

acccaactga ggcagaactg caggatatga taaacgaggt tgatgctgat ggcaacggaa 180

<210> 38554
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944303H1

<400> 38554

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ttctctatct gaagaagaag aagttctgaa gaagcatgtg tggaggtgct atcatctca 119

<210> 38555
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944304H1

<400> 38555

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gctgaatttc atgctaata ggtattttca aggggcacca atgcatcttt cattgctttg 180

atcccaaagg tgaaggatcc acatcatctt aatgaatata gacctatctc attaataggc 240

tgtgtttata agattgtggc taaact 266

<210> 38556
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944305H1

<400> 38556

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acggagtgag aaacctccac gccctggcca agaccaccgt ggatcgccgg acggcgtgca 180

attgcctgaa aacctttgcc agaggtcttg gtaggggtgt caatgccaac aacgcagctg 240

cacttccaag aaaatgtaga gtcaacat

268

<210> 38557
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700944306H1

<400> 38557

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tatcgagtat gctaaaaagc ataataatacc tgttcctgtg acaaagaaat ccatttatag 120
cagggatagg aatcttttggc acctaagcca tgagggtgat attttgaag acccagctaa 180
tgagcctaaa aaggacatgt acatgatgtc tgtagacgct gaggatgctc ctgatgaagc 240
agaatatgtg gaatttgaga tagagt 266

<210> 38558
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700944307H1

<400> 38558

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ttggctgtgt tatgcttctc agcactgtca ctgagtcgtt gtcttgcgga ggataatgga 120
cttgttatga acttctacaa ggaatcatgc cctcaggctg aagacatcat caaagaacaa 180
gtcaagcttc tctacaagcg ccacaagaac actgctttct cctggctcag aaacatcttc 240
catgactgtg ctgttcagag ttgtga 266

<210> 38559
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700944308H1

<400> 38559

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cgaagttcga cccctcccag atagtcgacg tcttcgtccg cgttaccggc ggcgaagtcg 120
 gcgcggcgag ttccctggcc ccgaagatcg gtcccctcgg tctctcccc aagaagatcg 180
 gagaagacat cgccaaagaa accgccaagg actggaaggg cctccgcgtc accgtcaagc 240
 tcaccgttca gaatcgtcag gcg 263

<210> 38560
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944309H1

<400> 38560

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 cgctggcagc tctacttcaa cgagatcaaa gataccgata agctcgttgt gatagatttc 120
 tcggcgtcgt ggtgcggtcc ttgcaaattc atagagccag cgattcacgc catgcgcgac 180
 aagttcaacg acgttgactt cgtcaagatc gacg 214

<210> 38561
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944274H1

<400> 38561

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 ctccctcgcg tagatcggca atggcggaga ccgagacgtt tgctttccag gctgagatca 180
 accagtcct cagtctcatc atcaacacct tctactccaa caaggaaatc ttccttcgtg 240
 aactc 245

<210> 38562
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944243H1

<400> 38562

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ttgaccgtaa caagggttgca ctccgattgg aggtgttatg tgacagcaaa ggtgacaaca 120

tctgccccgc tgatggtggt ggtgtctata accctgggtt ctggggcatg aatattgagc 180

aagggaagaa atacaaagtg gtcttctatg ttcgttcaac tgaatcactt aatctaacag 240

tttcattaa 249

<210> 38563

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944244H1

<400> 38563

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aagttcattc cacaccaaatt cggaggcgct caaaacgcgc cgcttcgatt cgggtctccat 120

ggagtcaaga gcgacatcgt tggttctcac cctcttcaat cttcactcca atctacaagg 180

agaatggatg aagcgatgaa gaggcaatgc aaagttaacc tgtacggaac tgcttttccc 240

atgaaggagg 250

<210> 38564

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944245H1

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ctctctctac aaagagtgtg tgtgagagag agaaggattt ggaatttttg ataactagag 180

cgaaagggtg acaccaccaa aaaccgaact gttcccagat ctctctctct ctctctctct 240

tccaacaat 249

<210> 38565

<211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944246H1

<400> 38565

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 agatgggtgg cattgcattt ggacgctttg atgattcttt cagtttaacc tcaatcaagg 120
 cctatattgc tgagttccat tcaaccttgc tctttgtttt tgccggtggt ggttcagcca 180
 tagcctatgg taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg 240
 ctatttgc 248

<210> 38566
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944247H1

<400> 38566

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 tctgtatgga tctgaaccag atctacacgc cgatgggtggt tttggcctg 169

<210> 38567
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944248H1

<400> 38567

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 acaggaagcc ttcacaaaaa gccccacact ggtaggtca aaccaagacc taaaagaaga 120
 gttcgaagaa gcttccaacg gtggaattca gagccttgct ttgggtgctt tggacaacag 180
 tttcttggtg agtgataatg ggattcaggt tgtgaagaat ttcgcacatg ggattcatgg 240
 gaagggtgct 250

<210> 38568
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944249H1

<400> 38568

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 gacatcgtcg acaacttcct cttcggttgc ggccaaaaca accagggcct ctttggtggc 120
 tccgccggcc tcacggcct cggtgccac cccatctcct tcgtccaaca taccgccgcc 180
 gtatatcgta aaatcttctc ctactgctc cccgccacct ccagctccac cggccgcctc 240
 ctcttcgaca ccacc 255

<210> 38569
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944250H1

<400> 38569

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 gcctcttctc cttgccctga tcctcttctt cactcttctt ggaacctctc acgcaggtgg 120
 catagccatc tactgggggc aaaatggtaa cgagggcacc ctctcagaag catgtgcaac 180
 aggcaaatac acccacataa acatagcctt tctcaacaaa ttccggcaatg gccaaacccc 240
 agaaatgaac ctggc 255

<210> 38570
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944252H1

<400> 38570

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 ggagcgtctg gacgccgatg acatcgaggc cctccgcgag cgccgcctcc agcagatgaa 120

gaagatggcg gagaagcgct cccgctggat ctccctcggc cactccgaat attccgagat 180
 tccctccgag aaagacttct tccccgtcgt caaggccagc gaacgcgtcg tctgccactt 240
 ctaccgcg 248

<210> 38571
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944253H1

<400> 38571

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 actctgctat tcttccagtc ttgatgggga agggaaagttt gattattagt gattcattga 120
 accacaactc cattgttaat ggtgcacgag gatcaggagc aacaattcgc gtttttcaac 180
 ataacgagcc atctcatcta gaagaagtgt tgagagaaca aattgctgag ggacaaccta 240
 ggacacata 249

<210> 38572
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944255H1

<400> 38572

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 tccaagagtc tcatgcatgc tactttctct ctcttctcgg agaatgcagc gtgtggtcga 180
 ttgttgctag atcagcacat aactgtaact gggtatatat ctacttgca c 231

<210> 38573
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944257H1

<400> 38573

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 acaa 124

<210> 38574
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944258H1
 <400> 38574

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 gcgcaactga agcagtttcg ggggcaacag aaatcgaacg ggttctctc gccggcgggcg 120
 atggatacac acgcggctgc tccgccaccg ccgccaaagg aaccctttat tcggcgctac 180
 aagttcgttt ggctgtgtt tttggctgtg aatctcgggtg tcggagctta tttgtttatg 240
 gggacaaa 248

<210> 38575
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944260H1
 <400> 38575

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 gaacaagacc agagcctaaa ctatactttt gttccagat atgtgcgtga acctattcca 120
 aagttcaaga tgccggagaa atccatacca aaagatgctg cttatcagat aataaacgat 180
 gagttgatgt tggatggtgc accaaggctc aacttggcct cgtttgtgac cacttggatg 240
 gagcc 245

<210> 38576
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944261H1

<400> 38576

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 ctgattttcc attccgtgcc tattttgtcc cttctttatc agcagttcag ctgtttaaga 120
 accatgaaaa tttatgtgta aataacgggtg acaggctccc aaattctgag gtttcagagg 180
 catgtgaaat ggttgacatt tcagcaaact catctactgc cagtcaacat tcaatatttt 240
 ctgttc 246

<210> 38577

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700944262H1

<400> 38577

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 agtgaccaca ttgaggtcca aatgatgcgt gtttcgtgac tatttctata gtattgtgac 120
 ttgattcaga atgtggaact ttgcatctag tgtaatggct gaaagtttgg gtccaataat 180
 ggatgcggga aaacccaact caccct 206

<210> 38578

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700944263H1

<400> 38578

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 ttctttctct tcctttctact caccaccatt ttctcaatca ccacttttagc tcagtcacca 120
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<210> 38579

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944265H1

<400> 38579

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atcaagtctt attattaata cttgtaaata gagcattatc aggtttcacc tttcattggt 120
agcaaagtga tcattcagag aatagaagcc tgatcaggtt gaatgtacac tcacagcaa 180
catcaaggat agaacattca ctcttcttcc agaatgccaa tcccttctga gaggcagatg 240
ttccttcaaa c 251

<210> 38580

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944266H1

<400> 38580

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tgagagtgatg ctcaagtgtg ttgtgtgtca gtgttttagg gaccaatggt ggagagtgag 120
ttttctgagt taagatataa gatatatgct atctaagcc tagtgggata taggaaagga 180
cctcaaactc gctatctttc gttcacatac gcatcatatt cttttaattg ttagttctga 240
gttctgacca aa 252

<210> 38581

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944267H1

<400> 38581

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gggtttggga acccagatgt actccaatgc tctccgcaaa ctcccctaca tgcgccatcc 120
gtgggagcac gtggtcggaa tggggttggg cgcggtgttt gtgaaccagc ttctgaaatg 180
ggaggcccaa gtggagcaag acctcgacaa gatgctcgaa aaggccaagg ccgccaacga 240
aagacgtt 248

<210> 38582

<211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944268H1

<400> 38582

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 actcttattt ttgtggtaca atataagtaa ctttattttc ttctacttgg ttgtatacat 120
 tattataata agtctatgta tttaaacggt tgagact 157

<210> 38583
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944269H1

<400> 38583

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 gtcgctatcg gcgtctcgt cctcggcgcc gcctggggga tctacatcac cggaagcagc 180
 ttgatcggcg ctgcaatcag ggctcctcga atcaattcca aaaatctcat tagtgtaatc 240
 ttctgtgaa 249

<210> 38584
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944270H1

<400> 38584

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 actttcgatt gttgtcagac attcaacatg aaaattatag tttgctgaac tggttatgat 180
 ttcataaagg tttttgaaaa aattagcttc aaaaaaaaaa aaaaggggcg gccgccg 237

<210> 38585

<211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944271H1

<400> 38585

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 ggaggatggt gacgaagaga aggagaagga agaaaaacag aaaaagaaga ttaaggacgt 180
 gtcacatgaa tggtccttgg tgaacaagca gaagcccatt tg 222

<210> 38586
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944272H1

<400> 38586

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 cgaaggatca aaaaccctgt gaaagtgtgt ttgtttggtc gagttgattg aattcgctgg 120
 cagcttacag ctatgatcat caacaacgcc ctttttcttc tatgattgat tcgattcgat 180
 tgaagtcgat tccgtagaga gtgagaaatc agatcacaat aatcatcgat gggtaatttg 240
 ttcgtgaag 249

<210> 38587
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944273H1

<400> 38587

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 aacttttcat ttcaaagatt aagtgaaaac atgggtgtcc ttgctgcttc cattgtgagc 180
 aaatctggca aagttctagt ttctagacag tttgtggaca tgtctcgat cagaattgag 240

ggacttcta

249

<210> 38588
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700944241H1

<400> 38588

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ctctacgccg acgtgactcc gagcaccgcc gagaacttcc gcgcgctctg caccggcgag 180
aagggcgccg ggcggagcgg caagccctc cactacaaag gctcgtcctt ccaccgcgtg 240
atcccgaact tcat 254

<210> 38589
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944205H1

<400> 38589

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attgtttata agggtagcgt ctctgatgga caagaaattg caattaaaag attgtctatc 120
aattctaacc aaggagaaac agaatttaag actgaaattt cgtaacagg aaagcttcag 180
caccgaaact tagttagact acttggett cgttttgcaa aaagagaaag attattgata 240
tatgagttcg ttcccaat 258

<210> 38590
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700944206H1

<400> 38590

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 gttccatctc tcttcttacc tttcactttt tgactatttt tccatgaacc ctatggaaaa 180
 caacagcagc acaaatgcc aatcaaaaact accccgcaga gcaaaaagaa aaaagaaggg 240
 tctggg 246

<210> 38591
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944207H1

<400> 38591

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 aatgctctct ccatccttcc acaaaatgct tatgaccgag ctaatgcccg attttgggtt 120
 tcttacatcg atgacaagtg gtatacgtcc ataaggaata ctattttggc tgaagcggct 180
 gatcaagatg atgaggcaaa gaagccacac tttgtg 216

<210> 38592
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944208H1

<400> 38592

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 ccgaaaagga aatgtcagct cctgtcgcag atggtaatga tgcactcact ggtcacataa 120
 tctcaaccac aattgcaggc aaaaatggcg aacctaaca aaccatcagt tacatggccg 180
 aacgtgttgt tggcactgga tcatttggca ttgttttcca ggcgaagtgc ttggagactg 240
 gcgaggcagt ggctataaa 259

<210> 38593
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944210H1

<400> 38593

aacttgcttg cactacgctg cttattatgg gcatatagac tgccttaagg ccattctttc 60

tgctgctcat tccacacctg ttgctgatcc ttggggattt gcaagatttg tcaacataag 120

agatggaaac ggtgccaccc ctctgcatct tgcagctcgc catagacggt cggaatgtct 180

tcatgcccct ttaga 195

<210> 38594

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944211H1

<400> 38594

gttaaggcag gccaaactat tgcaacggcc ggcttcggtg ccggtcttac ttgggggttca 60

gcaattattc gttggggctg aatgcttttc ttttacggca gaattgcaaa tagagaagaa 120

tcagttgcaa gtgcagctgt ccaaataccc cacattctta cacaattgta gaaaatgggg 180

tttggggaat ttgcaaaagg attgatatca ttaacatcca gcactccctg aaattgtccc 240

tttcttttgt ctta 254

<210> 38595

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700944213H1

<400> 38595

agacatcatt cccttgaaag tgactatagc attgggttct atgtatctgt acctgtaaaa 60

cttagatggc ctgttcttgc catag 85

<210> 38596

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944214H1

<400> 38596

aactagtaat atttattaga atttgccaga gaattagaag aataaacata ataccccaga 60
 tggcttcaaa aacttggtcc tcccttgccc ttttcctcac actcaacctc gttttcttct 120
 cacttgcttc tgcattgctt tatacaccat gccctggtcc aaacccaaag ccaaggccca 180
 accccaaccc taaccctaac cccagcccaa gtggctcgtg ccccgtgac gcactcaaac 240
 taggtgtatg cgcc 254

<210> 38597
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944215H1

<400> 38597

ctcgagccgc tcgagccgat tcggctcagg gccgctcta caccgtagtt atcgtgaact 60
 gcacatgccg gattcccgta aacgccgaca actcaggcgg gaagctcgtc ctctttgcct 120
 ccacctccgg cggcgccgac gcagtttaac aacaacggca ggactggagc tcctaacgga 180
 ccaacttgga acctc 195

<210> 38598
 <211> 127
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944216H1

<400> 38598

ttttctcact gtcttgcttc tccagagaac tgtatagaga gagatggcag ctgcaacatc 60
 tggtgctgtg ttaaattgggt tgggatcttc cttcttgagt ggaggaaaca ggagccaaac 120
 cttctctg 127

<210> 38599
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944217H1

<400> 38599

aaagaattgg atgaagtttc atgtcctatc tgcattggacc atccacataa tgctgttctc 60
 ctcttttgca gctctcatga gaagggctgc agatcttaca tttgtgatac aagttataga 120
 cattcaaatt gcctggaccg ttttaaaaaa atgagggaca attttaagga gaaccaaatt 180
 ttaccagtt ctttagtaaa cacaacaat tctggtaata gttttgatat taaccttact 240
 gtgcaatctg acatgcatg 259

<210> 38600
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944219H1
 <400> 38600

aacaaagaaa aaaaaaaacc cttagccaac acaaccatca tggccacctc tgctattcag 60
 caatcagcat tcaactggta aactgctctg aagcagctca atgagttcgt ccgcaagacc 120
 ggtggcgccg gcaaaggctg cactaacatg cgccgcaccg tcaagagtgc tcctcagagc 180
 atttggtatg gccctgaccg tcccaagtac ttgggtccat tctcggagca gattccatca 240
 tacctgaccg g 251

<210> 38601
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944220H1
 <400> 38601

attcagtgag cgagaaagtg agaagatgct ggcaccaatt ttcattttca tataaaagaa 60
 gaatcatcat ctgtatagat tactagttat ttactaaaca gacaaatggg ttccagagta 120
 ttaggagttt ctcttcttat cttcatctat ctcatatac ttgctcctgc atctctctt 180
 caaaacaaat tgttttcaga atttgtgcag aatagcaagt acgaagataa gggaatatat 240
 gaaagtaaga tagaagg 257

<210> 38602
 <211> 271
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944221H1

<400> 38602

tccgcattcg gctcacctcg agcgaatcgg ctcgagaaaa gaaaagctag cgtcatcgga 60
 ccttctccgg cgtcgaccat cgccgtcgca gacaccgggc ccatgggtca tccgccgttg 120
 gatccgtact acctttacca acaacaagat gagcggacaa catcaacacg ttatttgtct 180
 ccggtctccc agacgacgtg aaggcgctg agattcacia cctcttccgc cgccgccccg 240
 gcgtcgactc ctgccaaactc aagtacaccg g 271

<210> 38603

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944222H1

<400> 38603

atccgaagct ccaaaattcc tcctaagtgc agtaaccgaa acccaatgac ccacctagcc 60
 atgggtttggc ttcaaacatg gctccctgaa ccctagcgtt tctccctctt cgccaacaac 120
 gctgatccga tcccgatctg tttctgattc cgatccgagc caatccaatg gctggggcag 180
 cctcggtctt gttcctcctt gacatcaaag gccgcgtcct catctggcgc gactaccgcg 240
 gtgacgtcac cgccgt 256

<210> 38604

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944224H1

<400> 38604

ctcgagccgc aagaacaata tcaacgacaa cgagttgaag agagtgggtt tttcaactta 60
 gaataatggc ggtggagtat cagtgttgat aaactcagtt tttcttacgg ttattgataa 120
 ttctgctgct tgtgttgat gctggattga tgtcagggct cacttttagga ctcatgtcct 180
 tgagtcttgt tgatcttgag gttctcgcta agtctggcac ccctcaggat cgcaaacatg 240

ctgcgaagat atta

254

<210> 38605
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944225H1

<400> 38605

cttttggggg ttctccagaa ggcaatattg aaggcaggtc taaagggttt ttcttctgct 60
 gttactgatg acacaatgca ctcaaatc tttcaatggg gccgtcccaa atcacagtgt 120
 ggcaatctga ataaacccca gcaaatgtta catctagaat cttaacaaga aaaacaagtc 180
 agttttgttc accttgattc caggctctca gcaagagtag caagccatac tcttta 236

<210> 38606
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944229H1

<400> 38606

gtccctttgg tttcatctt ctgttctgat ccaggatgg cttctaaacg catcttgaag 60
 gagctcaagg attgcagaa ggatcctcct acctcatgca gtgcaggccc tgtggctgag 120
 gacatgtttc actggcaagc cacaatcatg ggacctgctg atagccata tgcagggtgt 180
 gttttcctag tttcaattca ttttcctcct gactatcct tcaagccacc aaaggttgct 240
 tttcggact 249

<210> 38607
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944230H1

<400> 38607

tttcttcggt cttcccca ccaatcttc gccttcgccc acaacaactc ctcttcagg 60
 atcgctgcca acgttacttt ccatttttac ctttcctcct cgagaaaaaa atggcgaacg 120

cagcatcggg tatggccgtc catggtgagt gcaaccaag ttttggggcc ctgggg 176

<210> 38608
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944231H1

<400> 38608

ctcgagccga ttcggctcga gagatctttc caatgaatta ggatctctta gttggataaa 60

gtatcctgtg gagtgtttgc cacca 85

<210> 38609
 <211> 76
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944232H1

<400> 38609

tggggagccc gattatcgcc atgacacgtg tgatctgtag ctgcgtaggc ctatccatgt 60

acccaagggg aatcat 76

<210> 38610
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944233H1

<400> 38610

gcttcttttc ttctgggggg caaaaggggt cacttttcag atccgagatt gagctccttt 60

acccatcatc atcatggagc tcctcgggta cctgaatcag ggtcaccctt ctagaggaac 120

aacacttggt attactcttt cattggtgct ttcgacactt gtgtccttct cacatttcac 180

acatgccttc tcacattctg cgtttccgga actgaatcct ataaaaccta ggcactcacg 240

tcttctcagg agtgccg 257

<210> 38611
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944234H1

<400> 38611

actggaagcc ttgttgtag taagggaaag gcttcctgca ctgagcacca agttgaaacc 60
tcttgattct ttgcttagaa ttccacagaa tatggaaagt attcttttca atgactcccc 120
acctttggag ttcaagggtg tgagcaagga ggaggaagac tcattgctag ggcaagttga 180
aatatggagg tacatgacat gcttcacgga ctccgtggcc ttgaaatccg tcatagagct 240
gcgcatagcc gacataa 257

<210> 38612

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944235H1

<400> 38612

aattgggcaa ctttttagtgc tggtagagagg tcgcgccacg acgattctcc agattacacc 60
atatttgttg gtgacttggc tgcagatgtt actgattatc ttcttcagga gacatttagg 120
gctcgttata actcgggtgaa ggggtgcaaaa gttgtcattg ataggctaac tggccggacc 180
aatggatatg gcttggtaag gttttcagat gagagtgagc aagtgagggc tatgactgag 240
atgcaagggg 250

<210> 38613

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944236H1

<400> 38613

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ttcttgcatg gcctattctt gccatcactt tgggacgttt ggtccaaaac tttgagctct 120
tgcctcccc tggccagtcc cagattgaca ccagtgagaa aggagggcag tttagcttgc 180
acataactcaa gcattccacc attgtggcaa agccaaggtc attttagact tcaccacatg 240

atcatatgat tgtggg

256

<210> 38614
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944237H1

<400> 38614

cttttctttt ttgtatgtta ggctatatct ccccatgaat tgccgaaaat attcaaaaat 60

gccttgtctt ctaccatact aattgagatc atcaagtgtc ttgcatctct tttcactgag 120

gacatggatc tggttgtcag ttatttggag catttgacca aggtaccaag atttgatgtg 180

attgtaatgt gcctttcatc aacaaataag gatgacatac gcaagatctg ggatgaagtg 240

ttcagcgggtg a 251

<210> 38615
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944238H1

<400> 38615

atccctttga tcttctccga actatattag cttctcaagg tgaaccaaag gtatatccaa 60

acatgaggtc tgcattcatg gatatcatcc atactcgtgg attccaaggc ttgtattctg 120

gattatcgcc aacttttagtg gagattatac cttatgcagg cctacaattt ggcacatatg 180

atacatttaa gcgttggggc atggcttgga atcatagata ctccaacact tctgcagaag 240

ataacctctc tag 253

<210> 38616
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944203H1

<400> 38616

ggaggagaca acacaaagtg caaaaaaaca gaaattaaac actactagta gctagctagg 60

gtgagaaaat gggatgaagct aaggaaatat ggtctgcacc aataaccctt agaacagctt 120
 cagtagtagg aacacctggt gtggcatctc cacctgtgtc atgtccaccc tctcagcttc 180
 actcaccatc tctaacaagg tcacctctac ttcacctga ggatggagat gcaccacgtc 240
 gtaaaacatc taagactcca a 261

<210> 38617
 <211> 54
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944239H1
 <400> 38617

ggatgaagccc accaactcat ctgtaaaatt tgcactatat ataatatgta tgct 54

<210> 38618
 <211> 74
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944169H1
 <400> 38618

gcaaagtgtc ttctctttct cttcctttgc tttgcatcca tcgttaatag gattgcaatg 60
 cattgaattc aaag 74

<210> 38619
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944170H1
 <400> 38619

cgatgccctg gctaaaatgg ttgatcctac attggaagga ttataccctg tgaagtcctt 60
 ttctcgattt gcggatgtta ttgctctgtg tgttcagccg gagccggaat tccgaccacc 120
 tatgtcagaa gtggttcaag cgctggttcg gttagtgcag cgtactaaca tgagcaagag 180
 gacgtttgga actgatcaag gaggatccaa cagagggggg gatgaccaag atacacaaga 240
 catgt 245

<210> 38620
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944171H1

<400> 38620

agatcccaaa gttattcatc atgcactgga taatatccac aaccacaaga ttatcactga 60
 gataaagggg cagcaggagg agccaatttt tgctgagagg atggacttgg aactccatga 120
 ctaccacccg tatgggggcta atgggtcatca cactccaaaa ccaccatata cataatatgt 180
 gtacaattgc ttcgtgttac tggtaatacc ccaatgacac ataatat 227

<210> 38621
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944172H1

<400> 38621

atcggatcga tcaagcatca gggagctttg aggggttgatt ctctggtgta gtagcaatca 60
 gcacaataga aaatgttttt tgacggatat ggatatcatg ggacatcatt tgagcagata 120
 tatcgatgct acccagcttc ctttattgaa aagcccaaaa tcgaaagtgg tgacaaaatt 180
 atcatgcctc catcagccct tgaccgtcta gcatctctgc atattgatta cccaatgttg 240
 tttga 245

<210> 38622
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944173H1

<400> 38622

tgcaattaca attcctataa tttgcaatcc tttccaatat catctaaacc ttcatTTaat 60
 taacaaaacc aaaatgatga ataggcaatc tgtcttgccc ttctcactag tactgctagt 120
 ttcatTTctg tattgcacct ccaccttagc ccaattatca ccagcttctg cccctctcaa 180

accaccccaa cctaccccta ccccaccagc tgcggctcct caacaaccat tgggttccttc 240

attgccca 247

<210> 38623
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700944174H1

<400> 38623

cggaatatca tatgataagt aatagttagg gatagggatg acaggatttg aaccctgtgac 60

atthttgtacc caaaacaaac gcgctaccaa gctgcgctac atcccttttc catttgtttc 120

tagtggttatt gtaaagaatc tttgtcttgt tttccacatt tttatctgtt gatatataga 180

tatatatata atatatatct atcatttttc taattttctg ccattttttt tagtttccta 240

tactat 246

<210> 38624
<211> 68
<212> DNA
<213> Glycine max

<223> Clone ID: 700944175H1

<400> 38624

cttgaagtgc atgacaattg atttttcata tatacttggtg atcttatata tgacaaatct 60

atatgggtt 68

<210> 38625
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700944176H1

<400> 38625

agaacttctg gaagaagcac actggtcccg gcatcctctc catggcgaaac gccgtcccg 60

gaaccaacgg atctcagttc ttcattctgca cgacgaagac ggagtggctc gacggaaagc 120

acgtcgtggt cggacaggtc gtcgagggga tggacgtcgt caaggagata gagaaggctc 180

gatccagctc cggcaggacc gccaaagccct cgtcgtcgcc gactgtggtc aactctctta 240
gata 244

<210> 38626
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700944177H1

<400> 38626

cttgcgtata tcaactatg cgttgtgttc tgtaggtgt gtgcatcaca caatcaatta 60
agaagctgtg attctgattc agaatcagaa tgttgcaag atggagcaaa gcag 114

<210> 38627
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700944178H1

<400> 38627

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ctcacctgaa aatgtgttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120
gcaacggctg tggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
ccgagacctt ggtcatggga gtggcaccgg ttaaggctca atttgaggg 229

<210> 38628
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700944179H1

<400> 38628

ctttttctac ttaccttttc tctgaatcca aatagatgg cagccatggc aaccacaacc 60
ctctcttcaa accccaaact ctcatcttc aacggaaagc ccgtcacata ttcttccc 118

<210> 38629
<211> 229
<212> DNA

<213> Glycine max

<223> Clone ID: 700944180H1

<400> 38629

caaccccgtt gtccggagcc accatthttgc gctccggcaa tgtttctccc ggtggccatc 60
gtcgcgtaaa gccaccaaac ttcaaagtca tgggtaata ctgggacgaa gtcgttgtga 120
tccagcaagg gagggatcac attgagcctt gaatcgtaac ggccaattgc ccggaaaagg 180
ctgggtctcg ttttgatctt gcaggattca tctcgaattt gggtttcgg 229

<210> 38630

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700944181H1

<400> 38630

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tgtaaaattg gttgtgcttt gtggtagacca ttttgatctc gctagtttcc tgtgtctggt 120
ttttcagaca agtcatttgc aatttgaact ggccatattc aactgggtta gttagggtgac 180
atggcaggaa atgggtgaggt ccagatgaat ggtagcaat tcggaactga tttcacia 238

<210> 38631

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944182H1

<400> 38631

ctccgaaccc tcgatcactc tcacgcgctc ctatattcgc tctccaccg tcgctctctc 60
gaacaaccac aacaccatcc tcatcacatg gcaaacgcag catctggtat ggcagtccat 120
gatgactgca agttgaggtt tttggagctg aaggcaaaaa ggacacaccg tttcatagtt 180
tttcagattg aggagcagca gaagcaggtc attggggaca acttggtgag cctgcccagg 240
gctatgaag 249

<210> 38632

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944183H1

<400> 38632

gggtttctcct aacatcgaga tggacgagca cagtttcatg gtgaacagag aaagagctgt 60
 tgattacttg aactccttgg acaaggtctt cgtcaatgac caattcttga attgggcccc 120
 gaagacagga tcaaagtccg gattgtatct gccagagctt accattcatt gttcatgcac 180
 aacatgtgta tccgccccac tctgaagag ctggagaatt ttggtactcc cggacttcac 240
 tatata 246

<210> 38633
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944184H1

<400> 38633

atcctattcc ctatggctgg tgcgacttgc gaggtgtaga catgatgtga tgtgatgaat 60
 tgaggggaat ccattgaaga ggcgaggcga gttaatcaga aatcagaatg cacttgagcg 120
 agaacgaagg gatagagggg aaggccttcg tggtcaccgg tggactggga ttcgtaggat 180
 ctgctctctg cttggagctc atccgaagag gtgctagaga ggtgcgagcc tttgacctcc 240
 gcctct 246

<210> 38634
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944185H1

<400> 38634

ggaattggca ctcgcttggg ggatatgtac aaggagcatt atgagagcat tgaggtcccc 60
 aagtttggtg acacagtaac tcctcaatac aagactaaat ttgatgccct attgattgag 120
 cttaaagaag cagaggagaa atctctgaag gagtctgagc gtttggaag ggaaattgtt 180

gaagtacaag agttgaagaa aaagctcagt accatgacgg cagatgagta ctttgaaaaa 240
catcctg 247

<210> 38635
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700944186H1

<400> 38635

tgcccaaatt ttttcatagc attttcagag gaacaatggc gggtaggggtt tcgacgtgct 60
tcttcttcgt gtttgcctt tctctcttc ttcttttca gatctccgct gaggaatcat 120
cggagaaaga gttcgtactc acattggatc actctaactt tcacgacatt gtcagcaagc 180
acgatttcat cgtcgtcgag ttctacgctc catggtgg 218

<210> 38636
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700944187H1

<400> 38636

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tcatggctgc taatgaaact gcgtttggct ccattatcaa ctcaactgat gttgacaact 120
tggctagtgc ggaaattatt gatgccggcg atgcagctgc ggctactcag tgtgatgtga 180
gtggccctat tgattgtaag gaccctgagg tatttcattt gatgatgagg gcaacaattg 240
aca 243

<210> 38637
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700944188H1

<400> 38637

ctatcatcat tttctctaaa ctttctccaa tggcgggttc agccttcaaa tcgtcttcgc 60

gaagaggaac ccaatcttcc gctcattcga acgcgcctcc gaacacgacg tcgtcttctg 120
gcagatcttc caccagagct ccgaaccgga ctgcgaggtc gaggagcgtg agcgcgttct 180
ccaggggcag ttctgacatt tccaccatca ccggattccc gnacaagagg gacaaccctc 240
tcttcttcg 249

<210> 38638
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700944189H1

<400> 38638
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ttggcaactc ctgctgggaa ctctactgcc tggaacatgg catccagccc gatggcatga 120
tgccaagtga ctctctcttc ggtgtagccc acgacgcctt caacaccttc ttcagcgaaa 180
ccggatccgg caagcacgtc cctcgcgccg tcttcgtcga tctcgagccc accgtcatcg 240
acga 244

<210> 38639
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700944190H1

<400> 38639
tcgccatcac actgtctagg aaccgcaacc gcaatgcatt tcagaattat tttctttttt 60
aatttttttt tgtataagca tgttttttga tctgtttttc tatgttagat ttggaggaga 120
agattggcgg cgacattggc gattttttaag aagcgatgtt tggcaatccg aagtttgcaa 180
cagattctga aacctcgctc tcaactggaaa ctgcgcaatt tttaagttca catgtgctcc 240
tcgctg 246

<210> 38640
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700944191H1

<400> 38640

gagagaacca tggtagttc agcacataga ttccctgtcc cagtgaaccc tatgcttcca 60
 caacccttc caggacttgt tggaagaga caatacaatt cctcagatga tgatgatcat 120
 agtccatctc cttagctgtg taccactcat gtcagtgtga catcttttgg ctgcatcttc 180
 tgtaggaaa aacctggaac caggcgattc tgacgggtct gggggtgcat gtatggctctg 240
 gcc 243

<210> 38641

<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 700944192H1

<400> 38641

gagccgtctt tcaagtcag gaagcatgga aggctcagcg aaggggctgt gctgggagtt 60
 attgttgctg ctgggtgttt agtcctcgtg tgttttgttt ctttgatgtt tgtgtgctgc 120
 tcaagaagag gtgatgaaga ataaggaacc attcagtga aag 163

<210> 38642

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944193H1

<400> 38642

caaagtttta ttggtttggg gagagatcgc acgggggttg cccggggtct cttcctcttg 60
 tgtggtgtgg tggttgctgt gctctccttt tcgttatgcc ttttattatt acctatctgt 120
 cgctccactc cgtattacga ctctggatca gaggatacat cagaggattc gctccaaccc 180
 ctatcgagta aggtattatc tgtcaattta cattcgaaag ggtaggcta ttgaatttta 240
 aataa 245

<210> 38643

<211> 204

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944168H1

<400> 38643

ggggaagaga aatgagaaga tgggcaccac cttgatgaga tgctcccacg caaacgctct 60
 cttcagagct ctcaaaccga aaccccgcaa ttcttctactg ccacttcctc caatggccat 120
 caccaaaggt aatagtaata aggcataatga tgcattgctg ttggatgctg ggggcaccta 180
 ttgcaattgc caagccaatt gaag 204

<210> 38644
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944194H1

<400> 38644

tctcgagccg aatcggtctg agctttctcaa cccagtcgga ggatgctcct gccatcaaaa 60
 agaagggtga ggatgtaatg ccaatcgcta ctggacacga gcgcgaggag cttcaggctg 120
 agctcgaggg aaggaatatt cttgaaatag accatcccga ggttccattc gg 172

<210> 38645
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944195H1

<400> 38645

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 ttagcagaga gcctaagtag ggatatcatt cgtggaagtc cagatgtgaa gtgggaaagc 120
 atcaaggggt tagagaatgc caaacgttta taaaaa 156

<210> 38646
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944196H1

<400> 38646
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 cgagtgggtg actacgccgt gaaaatcagg gtgaaggcag acaagacagg ggtgggtgagc 120
 cagaacgtga aaatgtcgat gaaccccttc tgcgagatcg ctctcgaaga agcccttcgc 180
 atcagagagt ctggcttggc ctccgagggt gtcgccgtca ccatgggacc ctctcaatct 240
 ctcgacactc tcg 253

<210> 38647
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944133H1
 <400> 38647

tggtatgcc cctgttcttg actgccacac ttcccacatt gctgtcaagt ttgctgaact 60
 catgaccaag attgacaggc gatctggcaa agagcttgag aaggaacca agtttttgaa 120
 gaatggtgat gctggttttg ttaagatgat tccgacaaa cccatggtgg ttgaaacttt 180
 ctctgagtac cccccacttg gtcgctttgc tgcagggat at 222

<210> 38648
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944134H1
 <400> 38648

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 tagtaatgat gatattgaga atatgctctc agaaactttt gatctaggca tggaggagga 120
 cttcaatggt ctagagaacg agtttgagca gttggtgatg tcctctgaag ctctagatca 180
 ttctggtgcc taatgctgga aaagtgtctc ctgagggtct taacaaagat gttaaagcta 240
 ttcttattaa c 251

<210> 38649
 <211> 248

<212> DNA
 <213> Glycine max

<223> Clone ID: 700944135H1

<400> 38649

cgcaggcgca gagtagagca gcacagaaga gggaaaacgg caccgccgcc gtagaagaaa 60
 acaaccatgg tgcacgtctc cttttacagg aactatggga agacattcaa gaagccgcgt 120
 cgtccgtacg agaaggagcg tctcgacgcg aagtgaagc tggttggtga gtacgggctt 180
 cgggtgcaaga gagagctgtg gaggggtgcag tacgcgctca gccgcacccg caacaacgcg 240
 cggaacct 248

<210> 38650
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944137H1

<400> 38650

tgaatttaaa aaactatggc atgctttctg tttgtccttt ggttattctg attcaattta 60
 tttatcccct tctatgatta ctggtcggat tgataagtgt gaaactgaga ttttagactt 120
 aatagtgggtt ttggcttttg tgtttttggc ttgtgcttat gttgtaagca gttcttgtgg 180
 ttgtgaattg gtttaaccag gtgtttgaag aaaccaggtc cggtcacagg cgttgcagct 240
 ggactgg 247

<210> 38651
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944138H1

<400> 38651

ggaaaggggtg tgagaagaga atggagagta aagaggaaga tgtaaacgtt ggagcaaaca 60
 agttctcaga aaggcaacca attggtacag cagctcaggg tgggtggtgac aaggactaca 120
 aggaggcacc cccagctcct ttgtttgaac ctggtgagct caaatcatgg tccttctaca 180
 gagctggaat tgctgagttt gtggcaactt tcttgttctt ctacattacc atcttaactg 240

tcatgg

246

<210> 38652
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944139H1

<400> 38652

gcattgcgta atggctctga tttccctat gtatctcggg atggtggcag gttaattgaa 60
gctaaagatg tagtatttga atgtgggtccc aaatgtgggt gtgggtcctgg ttgtgtgaac 120
cgaacgtctc aaagaggact tagatatcgt ctggagggtt tccgtactgc caaaaaagga 180
tggtgctgtta gatcctggga ttttatacct tctggagcac cagtttgtga gtacaccgga 240
atacttg 247

<210> 38653
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700944140H1

<400> 38653

agcgagtttt ccgaagaaga ggaaatccgg tgcattggga actgcaagca cattttccac 60
tgcgctgctg tggaccgttg gatcgatcac gatcagaaga cgtgtccgct gtgcagaagt 120
acgttggtgc cacatcagaa gctcgaagaa tacaaccagc gactatgggc ggcttctgga 180
gtttcgccgt tttattacca agacgattac acggcttccc tctgaatttt tctttttctt 240
tttccact 248

<210> 38654
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944141H1

<400> 38654

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tggttaaacc gaaaacgttt ccgataatag tgataacgat aacgaggatg atgacgatga 120
 tcaagatctg taccaggaga tcaaccacaa cggccacatc aggagcttga acaagatgta 180
 taggaatggc tttccgggtt ctggtgccgg ttccggtgct ggtgtcttta ggattcgaat 240
 tcctact 247

<210> 38655
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944142H1

<400> 38655

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 ttaaaactcc caccagtgat ggcaggtttg gctccagagg gaacacaatt cgatggtcgc 120
 caatatgatg ctaagatgag tgaattgctt tccactgatg ggcaagaagt cttcacctct 180
 tatgatgaag tgtatgacag ctttgatgca atgggattgc aagagaatct tctgcgaggc 240
 atatatgc 248

<210> 38656
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944143H1

<400> 38656

ggaccggcgt cttcttgctt cgggggtggtg gagctactac cccatccgaa tcaaccaaca 60
 agcacggtaa aggttgctcc actgttctta tacctgccag agtagtccag gctttgcaac 120
 tccatttcga ccaaattggct gccacgtctg ggcccaaagc tggtggcttc cctcctctcc 180
 atgatgttct agtgagtaac agggatggca tgtattcact tcagaagccc gagtcacgga 240
 aagcg 245

<210> 38657
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944144H1

<400> 38657

caaccctaac gcgtgcagag cagagagaga cgcagccatg gggcgaagac ccgcgaggtg 60
 ttataggcaa attaagaaca aaccataccc caagtcacgg ttttgccgtg gtgttcctga 120
 tccaagatc aggatttacg atgttggtat gaagaagaag ggtgtgaatg a 171

<210> 38658

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944145H1

<400> 38658

ctttctttac ctacttggac gggaatgtaa atgtactttg gttagcacct aataatgtta 60
 ttgattacta ttttgcactt tctttgtttt agactgcagt ggcagtagga gtggagccta 120
 gtcctaagtt gccttacaat gaatattatg aatattttgg cccggactat aatctccatg 180
 tgaaccatc cccatgggaa actctaacca caccagggga tctggaaaaa attcgaata 240
 cattact 247

<210> 38659

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700944147H1

<400> 38659

gaagtgtttg cgggatgcca agatggataa gagtaccgtc catgatgttg ttcttgttgg 60
 tggttctact aggatt 76

<210> 38660

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944148H1

<400> 38660

aatgatccaa gaatcaactg gctctgcaac ccagtccata aacacagggg actgcgtggc 60
ctcacttctg ctgggaaaag taacaggggt ttacggggca gaggacatct ctaccacaaa 120
aatcgccat cccgcaggca aacctggaag agaaacaaca ctctttccct tcgtcgctac 180
cgttgatttt gtcaccatta tcgtatgttg cttcattttc caagtatttg gagtgcatta 240
tatgta 246

<210> 38661
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700944149H1

<400> 38661
caaagccctc aaagcataat ctcactcgta ttagcgttgc tgagagagac agacaaatgg 60
caacaagcga agaagtgggt gtcgcggcgc cgaggagncg cgccttgagg cccggctgaa 120
gcacaaacgg gagagaaaat ggacgttttg gtgcggacac caatccaaac ccaaacaggg 180
cgctgcttag ggtacctctc ttcgcaaggt ctacaccttc gacaccgttg 230

<210> 38662
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700944151H1

<400> 38662
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actctgccac acatcttccc cgaactaaaa tggattcca taatggccat ctacttattg 120
ctcccaactt agcattttgc catgcttatg gttgtggact aacagattgg tcccttgctt 180
ccacctatgg aaagctagcc atctttacaa ttggagcatg ggccggttca tcaaacggtg 240
gagttct 247

<210> 38663
<211> 213
<212> DNA

<213> Glycine max

<223> Clone ID: 700944153H1

<400> 38663

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ctctgccttt cctttatgaa ttaagatgtg ttcttgactg gtcatgcaca actacgtccc 120
tcaccatgta tgactggcta aagctggagg acataaatgc aagtttgtac cttgtcaaatt 180
gtgattcagt cttaaataga gttacacaca acc 213

<210> 38664

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700944155H1

<400> 38664

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gatgttagca tgtgatgagg agcgctggct agaagaatat agcagggatg agaatcgata 120
ctcagtcagt agaggagctc acaaaaactt gagacgtgct gaacgtgccc gtataatgggt 180
cagcagaatg ccagctctgg tagatttgct aataaaaatg actaggagtt gggaagaaga 240
aa 242

<210> 38665

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944156H1

<400> 38665

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gctatgttaa ccttgctact actcctcttc ttctcgacca atttggttcc ttccgccctt 120
gctatctggc tgacgttacc caccactggc actaagtgcg tctccgatga tatccaacac 180
aacgtcgtcg ttttggccga ctacgtcgtt atccccagtg ctcacgcaca caatctcacc 240
atcgccgtc 249

<210> 38666
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944157H1

<400> 38666

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 aggaaaaggt tcacatcaac attgtcgtca ttggacatgt cgactctggg aagtcaacta 120
 ccactgggtca cttgatctac aagcttggag gtattgacaa gcgtgtgatt gagaggttcg 180
 agaaggaggc tgccgagatg aacaagaggt cattcaagta tgcttgggtg ctcgacaagc 240
 tcaaagctg 249

<210> 38667
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944158H1

<400> 38667

ggaaggaaga tgagtttgag ggcatcagag atagcgaaga agttgaatct gcaacctcac 60
 ccagaagggtg ggttttacgt ggagacattc cgagaccatt ccgtccagct ttcgacctct 120
 cagctcccc ccgaatacaa agtggatcgc cctgtatcga cctccatcta ttttctcggt 180
 ccttctggga gtgtgtctcg cctccatcgc ataccctgcg ccgaaacctg gcatcattac 240
 atcggcga 248

<210> 38668
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944161H1

<400> 38668

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 gaagaagatg aagatttcca ggaacgtcta cgacgctttt ggcaaagtgtg gggatgtgga 120

ggagattttg actatcgaga taaaacctgg ctggacaaaa ggaacaaaaa ttacctgccc 180
 agagaaaggt caccggtgcg ccgggtccca cccaacaga tctcattttg gtgatagatg 240
 agaagccg 248

<210> 38669
 <211> 74
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944162H1
 <400> 38669

tgcgatcaa ccacaggatg ctgcttcaag gcggcgagca aagtttcggc atatagggca 60
 gttgaagggt catt 74

<210> 38670
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944132H1
 <400> 38670

atcaaattag ttcattctct ttgcgcagtt ccctacctct cctttcaaga tgcagatctt 60
 cgtcaagacc ctacccggaa agaccatcac ccttgagggtg gaaagctctg acaccatcga 120
 caacgtcaag gccaaagatcc aggacaagga aggaattccc ccggatcagc aacgtctcat 180
 cttegccgga aagcagctcg aggacggccg taccctcgcc gactacaaca tccagaagga 240
 gtcaaccctt ca 252

<210> 38671
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944163H1
 <400> 38671

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 gggctcttcc taccgaatcc gatgagcatc ctaagatcta ccgcatgaaa ctctgggcaa 120

caacaacgtg tcctccgacc tgaaggcggt ctccgcccgc ctggccctct cctccatcct 60
cctctccgcc cctctccccg ccggcgccga catctcgggg ctcaccccat gcaaggagtc 120
gaagcagttc gcgaagcgtg agaagcagtc gataaagaag ctggagtcgc gctgaagctc 180
tacgaggcgg gcagcgcccc cgcaactggcc attaaaggca gcgtggagaa gacgaaga 238

<210> 38675
<211> 236
<212> DNA
<213> Glycine max
<223> Clone ID: 700944094H1
<400> 38675

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tgccggcgac gaggatctcg ccggggaaat gaacattccg gcgaaactct tttctctttc 120
tttgagcaat gcacgtctct cataccatcg tcgccatgtt tttcacgaaa gccttgacct 180
cgaaacgttt ttcacctcct ctttctcttc tactcgcgta gtagtctaga agttat 236

<210> 38676
<211> 254
<212> DNA
<213> Glycine max
<223> Clone ID: 700944095H1
<400> 38676

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tccaagaatc ttaagctatg ggaaagtctt acccaacogt gagcgctgat taccagaagg 120
ccgttgagaa ggcgaagaag aagctcagag gcttcatcgc tgagaagaga tgcgctcctc 180
taatgctccg tttggcatgg cactctgcat gaacatacga cgatagcatg aagaccggct 240
gactcatcgg aacc 254

<210> 38677
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700944096H1

<400> 38677

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 atgtcaactt tcatgttgaa aatcttcctt ctaatttcca tctttcaa at ctctttogcc 120
 actaggaggt tgaatgagtt agttcaggac caaactcagc ttcttcgtac cacaatggcc 180
 catctcacac gggcaaaatt accattaacc tcatttgga tggccaacat taaccaatcc 240
 agaaggca 248

<210> 38678

<211> 52

<212> DNA

<213> Glycine max

<223> Clone ID: 700944101H1

<400> 38678

aaaaaaatag taattatttc catgataaac tcatttagaa gtactccgta at 52

<210> 38679

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700944102H1

<400> 38679

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 gccaaactcg ccgagcaggc cgagcggttac gaagagatgg tggaatcaat gaagaacgtt 120
 gcgaatctcg acgttgaact gacgggtggag gagcggaatt tgctttctgt tgggtacaag 180
 aatgtgattg gtgctcgag agcgctctgg aggatcctgt cttccattga gcagcaggaa 240
 gaaacaaaag gga 253

<210> 38680

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944103H1

<400> 38680

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 ttaccttcac gggatattca gcgcttctat taagttgcct tctgattaca ctgcaggagt 120
 tgttgttgcc ttctatatgt caaatgggtga catgttccag aataaccatg atgaaatcga 180
 ctttgagttt ttggggaaca ttagaggcaa agactggagg attcagacca atgtttatgg 240
 caatggtag 249

<210> 38681
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944104H1

<400> 38681

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 tccagttgct gttcgtagac aaaggaggga tggaggtaa tcaacaacat atgaacatgg 120
 ttttcgtgtt gggttcaaag gaaactatca agggagcaag gaggagaagt attttattaa 180
 taaccacttg agtttcagag tcatgtatca caaggat 217

<210> 38682
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944105H1

<400> 38682

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 ggttggggga tttggaacaa ggctgaggcc actgacactc agtttcccta agcctcttgt 120
 tgattttgct aacaagccta tgattttgca tcagatagaa gcccttaagg ccattggagt 180
 gactgaggta gtgctagcca tcaattacca accagaggtt atgttgaatt tcttgaagga 240
 ttttgaatca 250

<210> 38683
 <211> 234
 <212> DNA
 <213> Glycine max

[illegible]

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gtttaccoga agcatatgca gagattgtat taaacttacc acaggcgatt cggcagacgt    120
atcatcaaaa agccaccgct tagagctttg ccctttcagt agcctagatg catctgtaaa    180
aattcttggt agagatgtta aatattagaa aaacaacttc agaattatta ccta          234

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<213> Glycine max

ctcactgtcc	caaaaaactg	tggtctcagg	caacaaaaga	ggttttgctg	acacaattga	60
cccagagttt	cctggcaatg	cagggataaa	catgatgcta	tcacctaaac	cttctggagt	120
taagcctacc	acagtgaaag	acataccaag	caaggtatta	caagaacatc	cttctgcaga	180
aaatggaacg	ggtcataccc	atacggggagc	ttctatcagt	agcagtgcac		230

<213> Glycine max

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gtccatgggc ttaagaaaaa ctgcaaagtc cagagcttca caccatccac accaccccca	120
acttcgggta attacagaac ggccaagaga agaaagggaa taccacaccg tgccccaatg	180
gtgggactaa tcatagaata ttagtgatag tgggtatttt taggctattt gctataatgc	240
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<212> DNA

<213> Glycine max

<223> Clone ID: 700944112H1

<400> 38686

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 cagcacttca atcaataacc aggggtgacct agtctgtaac cgcctaaagc ttgacccaag 180
 taggcctgga ggagctcgta gaaatttgat gctccaatta aatcaagagc ttgaccaaga 240
 tgaatctcg 249

<210> 38687

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700944113H1

<400> 38687

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<210> 38688

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944114H1

<400> 38688

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 aacctctgct gatcactttt gcgacacctt gaagggtgaa aaacagcatc gtattcatga 120
 tggtgcccct catcatgtcc ataagggtgga agttcatgaa ggtgagtgagg ataaatctgg 180
 caatatcaag gtgcttacat tcgctgatgg ggacactggt gagaccttaa aggagagagt 240
 tgattttgat g 251

<210> 38689

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700944115H1

<400> 38689

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aaagggttac cactagggat gagctcatgc tgcccactga tgagagtctg ctcaactcaga 180

taaaggatgg atttgctgag ggcaaggatc tggttgtgtc tgtcatgtct gctatggg 238

<210> 38690

<211> 108

<212> DNA

<213> Glycine max

<223> Clone ID: 700944116H1

<400> 38690

gtaacattcc tggtaaaata ttattgagcc agagggttga atctcccgat tacacaagct 60

tatcctcacc gacttatata aggagctcct catacagtga aactggca 108

<210> 38691

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944117H1

<400> 38691

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gcacgtgttt ggtgttgtga gttttcagct caagcaagct gaaatgccct ttgcatgttc 120

cagcttaatc cgcaagcata ttggagattc tcctcagcgc aatgtggctc taagacgcag 180

agcaaatgga acaattcttc cccaaatcag agcccagaac gttcttccag actatgttcc 240

aaaatcggag t 251

<210> 38692

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944118H1

<400> 38692

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 agggaggtaa gaacaggaag aggggaaaga acgaggcga cgacgagaag cgagagctgg 120
 tgttcaagga ggacgggcag gagtacgcgc aggtgctccg gatgctgggt aacgggcgggt 180
 gcgaggcgat gtgcatcgac gggacgaaga ggctctgcca catccgcggg aagatgcaca 240
 agaaggtgtg 250

<210> 38693

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944119H1

<400> 38693

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 tctccatgaa gaaaagcagt tagaaattca tctgagaggg agggatctac ctctgattt 120
 aatgaagcaa ttaataagaa ttttgggcca gatctccatg gattgaaaga gaaggtacct 180
 ggggtagatc ttacactgaa catacgtcgc cacataatgc atcttcatgg tagcaaggag 240
 ttgaaaccga ga 252

<210> 38694

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944120H1

<400> 38694

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 gcggcgccca gtcaggatgt atctaaatcg aaagacagat atgataatgg ctggaggaag 120
 gcatcccctg aaaacaactt acagtgggtg gtttcaagaa tgatgggaag attacagcat 180
 tagatcttaa gatattggtc aatgcaggga tatatgtgga tgttagtcca ataataccac 240
 gcaacatgat 250

<210> 38695
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944121H1

<400> 38695

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 gatctttgca aaaaccccggt cgacggcttc tctgccggtt tggtcgatga aaccaacatt 120
 tttaaagtga gtgtcaccat aattgggcgg ccgataatct ctacgagggg ggatttttca 180
 atgctattat gagtttccca tccaattacc caaatagtc 219

<210> 38696
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944124H1

<400> 38696

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 tgtacaggaa gttgggacac aaacttaaag atatgggcat ttggagggca taggaggaca 120
 acttaagcca ttgcgggaag gtcaaattgg agacgaattg cgtgctaatt tatataaccc 180
 ttcatcttag ccttgcaact catgtccggt tgtccatgtg tgtgatctta gtactttttc 240
 cattgtact 249

<210> 38697
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944125H1

<400> 38697

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 atatttgcag aagctttaag actggtctta acacaagttc ttctgcagaa aaaggggttg 120
 actttaaatc ctattacaag cttatattac atagctccct gcagttttgt gtttctcttt 180

gtgccttggt acctactaga gaagcctgtg atggaagttt cacagattca gttcaatttt 240
 tggatcttc 249

<210> 38698
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944127H1
 <400> 38698

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 tctctctcgt aattttctct cttattgagg ctagaaaaag agagcaaaaa aactaaaaaa 120
 tgcctgcggg cggaggtata aacaccggag ggggcaagga gtaccctgga agcctcactc 180
 tatttgtagc ggtaacatgt atagttgcag ccatgggtgg tttaatcttc ggttacgata 240
 tcgg 244

<210> 38699
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944128H1
 <400> 38699

gatggcaggc agtggcaccc tatattgatg aggatctctt catcagagtc atcattcaac 60
 cagccactgt tggaaacaaa actgagagaa ccatcacaac atctta 106

<210> 38700
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944129H1
 <400> 38700

agaatggcga aggagatagt gaaagagctt cttcctctaa ttcgagtgt caaggatggc 60
 agcgtggagc gtcttctaag ctctgaaaac gtggcagcct cccctg 106

<210> 38701

<211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944093H1

<400> 38701

agatattagg gtttttgagt gcggtgcggc gatcctagca ctctcttctg cagctttcgc 60
 cgacagcttc attcaccatg gctgagcaaa ccgagaaggc ttttttgaaa caaccaaag 120
 tgtttctcag ctgcaagaaa actgggaagg gaaagagacc cggaaagggt gggaaccgct 180
 tttggaaatc cattgggctt ggatttaaga ctcccagga agccatcgaa ggaacctaca 240
 ttgacaagaa gtgc 254

<210> 38702
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944130H1

<400> 38702

caaaccgtca ctctatttct ttactcctt ctcaaactt atctctttag ttatcctcag 60
 ccatggcgtc tctactgcta gcatcacctc ctccactctc cgttcaattg cacagttcca 120
 cctctcacct ttccttctct cactcccaaa ctctctcttc accactctcc acttccttcg 180
 cttctctctc agcttctgaa acttcactc tttcccaac cccttctgtg tactgtggca 240
 gacgggaccg 250

<210> 38703
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944131H1

<400> 38703

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 ttgcaatcga ccccgattat ggccaacagt aacctccctc gtagaatcat caaggatagc 120
 cagcgtttgc tcagtgagec agcacctggc attagtgcgt ccccttcgga agacattatg 180

acagtaattt caagtaccgt taagaaacct atatggtgct aagaaagcag tgaagagtgg 120
 ggggctcggc gctcgtaaac tcactaaaaa gccaaagtga tctctctatg agcagaagcc 180
 tgaggaaccc cctgctccag tttcatcttc aacaaacaat atgcctgctg ggccatctcc 240
 aacgtctcgg tttgagtatg tagaaa 266

<210> 38707
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944052H1
 <400> 38707

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 ggactttcac gcgctgaaca ggatttagtg ttctctcaag cccctcgagg aaagagaaaa 120
 gtgatcattt ctactaatat agcagaaaca tcactgacgt tgggaggaat tgtctatggt 180
 gttgacagtg gattctctaa acagcgggtc tacaatccga tttctgatat tgaaaatctg 240
 gttgtggcac caatctctag a 261

<210> 38708
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944053H1
 <400> 38708

aagaggaggc accatgacaa gcactcttct gtctttgctc ttcttgctct tctctcttct 60
 cactccaact ctaatttctt cttcaccagt tctaaacct caagaggctg tacaagaggt 120
 caacaagaaa atcaatggct ctatagcaag acccagaagg aacttgggct acctctcatg 180
 tggtagtggc aaccccatcg atgattgttg gaggtgtgac cccaactggg agcagaacag 240
 gcagaggcta gcagactgcg 260

<210> 38709
 <211> 260
 <212> DNA
 <213> Glycine max

[illegible]

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aaaagaaaaa	tatcaattaa	ggcttaaagt	gctacaggag	agtttgagag	aaactttctaa	120
cagtattaat	cgcggcacct	cagaggggaag	atgtgtagca	atgggccttc	tcgacgtaat	180
ccccaaggtg	gactcttatac	atctctcaga	actatcatct	aatgggtttt	tgaagagatc	240
accgtccact	caaattaggt					260

<213> Glycine max

<400> 38710

aaaaaacaag acaccaacca aagtttcagt ttctctctat tctaacgttg ttgaatggca	60
gtagatctgg caaatattag gatggaagag aatatggcga ttcaagaagc agcttccgct	120
gggttgaaga gtatggagca tctgattcgc gtcctttctt ctcaaattcc ttctgcttcg	180
tcttcttctt ctaacgcaca ccaccaccgt cttaatctca accaccttga ctgcgcggaa	240
atcacccgact tcaactgtctc	260

<213> Glycine max

<400> 38711

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catgatcttt	aagggcaccg	agaggcgcaa	cgccgtgagc	tcgaggaaga	gattgagaac	120
atggggaggac	acctcaacgc	ctacacctca	agggagcaaa	ccacctacta	cgccaaggtc	180
accgacaagg	acgtccccc	ggccctcgac	atccgcgcgcg	acatcctcca	gaactcccg	240
ttcgaggaaa	ctcgcatc					258

<210> 38712
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944057H1

<400> 38712

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atgaaaatgc cattaccaga caacagtttt gatgcagtgt atgcgattga agccacttgc 120
catgcaccag atgcttatgg atgctataaa gagattttta gagggttaaa gcctgggtcaa 180
tggtttgctg cttatgaatg gtgcatgacc gattcttttg atccccaaaa ccagagcac 240
caaaaaatca aggcagaa 258

<210> 38713
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700944058H1

<400> 38713

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tcattggtag aaccggtgct gtaaccatcc gggctcgtgg tgtgcttaaa gactggatat 120
tgatagctct ttcaactgtt atattcccag aatctacaat aactgggttg aatatagttg 180
gctatgctat tgcattgtgt ggagttgtga tgtacaatta cataaagggtt aaggatgtcc 240
gtgcctctca attgc 255

<210> 38714
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700944062H1

<400> 38714

gcaaaatctt atcttagcaa tagctacccc tatcacaaca atactctatt aggcaaaaac 60
accaaattggg agaggaaaa gagcagccta agaataaac cgagaagaag cccgaggagg 120

ccgccgcagc ccccaagaaa gacgacggac ccatccctgt cgtttataaaa ctcgacttgc 180
 attgcgaggg atgCGTcaag aagatcaaac gcacatgtcg ccacttccaa ggtgtggaaa 240
 cc 242

<210> 38715
 <211> 177
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944064H1
 <400> 38715

gttggagggg ctagtCGTga ggttgggcct gataatgtgt ataatagtgc taggttgatt 60
 aggagtaaga atgattctgt tcctaacggt aatatgactt ggggtgttcc ggttggtgga 120
 gggataagt acttgggtccg gttcacttcc tgagatatcg ctcgcatcgc ggggggt 177

<210> 38716
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944067H1
 <400> 38716

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 gtaccctgga gaaaagagga ggcaaataca tggagaacga ggggtgtaa acggtggtgg 120
 tggagcaaca acctgtggca tccacgtcca agtttccggt gagcttttgg gaaaccacgg 180
 tggcttcaac ggtggcgctg gttttcgcg tgggccttct cggcgtctac ctcacatgc 240
 ccgattccga ttacagcttc ct 262

<210> 38717
 <211> 219
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944069H1
 <400> 38717

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agggttcttg aaattattgg tatgcaataa ttttgaactg cgtggtagtg tgggaattca 120
 ttatatagct tttgttcggt gttatctaga agtttttagtc atttgtaata tcatatgtcg 180
 tgaaaaattt gtatctggta tatatgtacg ttatgggcg 219

<210> 38718
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944073H1
 <400> 38718

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 cttcggcttc tctgacgcca ccccaggacg aaatagcgac gccccagatc acgaaactgc 120
 tcccacagaa gccccacacc gtcaaagaat aatcttggtg aacccttga ctcagggcat 180
 ggtggtgatc gacggtggtt cgagcctcga ggctctgttt cgcgaattca ccaacggaaa 240
 aggtggtcga cca 253

<210> 38719
 <211> 172
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944074H1
 <400> 38719

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 accccaaaaa tctcaaactc agtcccaaac gtttctttcg caaaaaggaa cgatctttag 120
 tctcacgctc cgaccacact tcattcggat cctcgatctt cctccgacga ct 172

<210> 38720
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944077H1
 <400> 38720

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agtcagtgcac cgagttgaac catgtcggac gaagagcacc atttcgaatc caaggccgat 120
gccggagcct ccaagaccta tcctcagcag gccggaacca tccgcaaaaa cggtacatc 180
gtcatcaagg gtcgtccctg caaggttggt gaagtttcta cttccaagac tggtaagcac 240
ggccatgcta agtg 254

<210> 38721
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700944079H1

<400> 38721

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gccaccgccg cgatggcgtt ggccgcgtcc gacgccgacg acatcctgat ccgtcaggtg 120
gtgccagatg ttggcgagcg aagaggagga caacctgctg aacgccgagc accacttcgc 180
gagcttcaag gccaaattac ccaagaccta cgccaccaag gaggagcacg a 231

<210> 38722
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944080H1

<400> 38722

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cttgggtcaag cacaagtaga gttgaaagtt ttaaaggacc agctagcttc tgctgaagcc 120
gcaaagaaag aagctcaaga tgagctagtg aagaaagctg tgcaatcagt agtgccagtg 180
gtagagaagc tccaagagat natccactcc aagaantgct cagagacgta gtaaacngaa 240
agcaaagtcc aag 253

<210> 38723
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944081H1

<400> 38723

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accttccaag agattgctgg tagcaatgac actgttggcc actatgagag tcacactgac 120
ttcaaccttc caggacttta cCGtgctgtg cacgggtattg atccattcga tccacagtac 180
aacatagtct ctccccgtgc agacatgggt atatacttcc catacactga aactgagcgt 240
agttcacagt tttccact 258

<210> 38724

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700944085H1

<400> 38724

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gtttctccgat ctactccgt ctgagtttcg cggccagttc ctcggcctga agccgctccg 120
ccttccctcc gacgctcaga aggctccgat ccttccgacc agcgaccttc ctaccgattt 180
cgattggcgc gaccatggag ctgttaccgg cgtcaagaat cagggctcgt gcggatcgtg 240
ttggtcattt agcgccgt 258

<210> 38725

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944086H1

<400> 38725

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tgcatggggt gatcaaacgt aaccagacaa tagtggccac atggacttgt agaaaagggtg 120
tgatatatat tgatggttct catgtcaatt atactttcaa agatggggat atcattgccca 180
taatctttcc aaagcaccgg ttctgaaagt tctcttgccat cataagtttt tatagagatg 240
tcaagtaaatt ttcacagcat 260

<210> 38726
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944088H1

<400> 38726

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 tagaagtgga caatagagtg gtagtgccag ctaaaactca tctgcgtggt attataacat 120
 cagctgatgt acttcatagt tgggcagtag cttccctggg tgtcaaatgt gatgctgtgc 180
 ctggctggtt gaatcagatc tctactttta taaaagaga aggggtttac tatgggtcaat 240
 gcagtgaagt ttgtgga 257

<210> 38727
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944089H1

<400> 38727

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 tttttgatct gcgaaaatga gagagtcac tcgatccaca ttggtcaggc tggatatccag 120
 gtcggaaatg cttgctggga gctctactgc ctgagcacg gcacggggcc cgatgggcaa 180
 atgccaaagt acaagacagt tggcgggtgt gatgatgctt tcaatacttt cttcagcgag 240
 actggtgctg gaaag 255

<210> 38728
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944090H1

<400> 38728

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 gactttgtct cagatgatgg tgcattctat catctgtttg attccttggc agaaactgct 120
 gaatttgcaa gaagatgggt tcccttttgc aagaagtata acattgagcc aagggtcct 180

gagttttact tttctcagaa aattgattac ttgaaggata aggtgcagcc tacatttgtg 240
aaggaaagaa ggg 253

<210> 38729
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700944047H1

<400> 38729

agttgaaacc tgggtgtctta tctgtacatg aagggaacga tgtgaccaag tactttgtca 60
gcagtggcctt tgcattcatc catgcaaact ctgttgctga tataatagct gttgaggctg 120
tgccggtgga ccgaattgat gcgaatctag tccagaaggg tcttcaagat ttcacccaga 180
agctgaactc agccacaact gatttggaga aagctgaagc tcagat 226

<210> 38730
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 700944014H1

<400> 38730

ctttgggtgt attcactgtc ttgcttttgg gatcaagttt tctacacttg gcatgagaat 60
atgagacaag aagatatttg aatc 84

<210> 38731
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700944015H1

<400> 38731

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atgcctaacc ctaaggtctt cttcgacatg accatcggcg gtcaacctgc cggccgcac 120
gtgatggagc tctacgccga cgtgactccg agcaccgccg agaacttccg cgcgctctgc 180
accggcgaga agggcgccgg gcggagcggc aagccctcc actacaaagg etc 233

<210> 38732
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944016H1

<400> 38732

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 ggagcctttt cccatcaatt ggctgatcag gattaaccat aaatcccttt gatcagaatt 120
 tttagtattc tgttgacta tatactacaa gggaaatatt tcagatatct gaagggtgaa 180
 gtccttttac atccactgaa aactttcttc atgatgcata gtttatagtc tccaaa 236

<210> 38733
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944017H1

<400> 38733

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 ttttcctttt ccttccacta gctttacctt tttgctcgtg tgtgatcatt tgttaaagag 120
 cacaaaaaat taaaagatac tatttggtgt tattattatt tgattattga ttcatttaca 180
 tttttttaa aaactttata attgtcttag tgggaagcct tgctaccttg ctttgatttt 240
 tgttgttaat taacgatctt caacaat 267

<210> 38734
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944020H1

<400> 38734

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 cagaagacaa taatggggtg gtaaaccag aggatggaaa gccagaagaa gttgagaaat 180

atgataagat ggatgaagat ccaaagcagg aggttgaggc tgagccaaag gctgttgagg 240
 ctgagccaaa agtgaaagat a 261

<210> 38735
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 <213> Glycine max

<223> Clone ID: 700944022H1

<400> 38735

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 cacaagcaac agtcgtcgtc gccggacatg ctccgcgacg aggcgtggca gcggcggaag 180
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<210> 38736
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944023H1

<400> 38736

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 agtcgtggtg gactccatgc ggaagagtgt gagtatgaac aacctctcgc agtacgagct 180
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<210> 38737
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944024H1

<400> 38737

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 ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaaa 180
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<210> 38738
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944025H1

<400> 38738

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<210> 38739
 <211> 257
 <212> DNA
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<223> Clone ID: 700944026H1

<400> 38739

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 tctggcaagg agttgccgat caagtctgca caaattactg catcaactga tttcactgag 180
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 tttggaaagc gtggcaa 257

<210> 38740
 <211> 258

<212> DNA
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 <223> Clone ID: 700944027H1

 <400> 38740

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 gaaaaaaaaat catctgggtg cattcgggat gctgggttga ctgcatgtga gatggctggt 180
 atttggatgc agaaccagct gaggcagaat cagacagaag ataggataat agactatgcc 240
 aatgagcttt gtgaaaaa 258

<210> 38741
 <211> 258
 <212> DNA
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 <223> Clone ID: 700944029H1

 <400> 38741

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 gccgcggccc aatcaccggc cctcatatcc cacggcggaa aacccgacct agaagatgag 180
 tacaaggaga gcgagggtggc actgcggcaa ttcgacctga acatggcgta cggaccttgc 240
 ctcgggatga cgcggtc 258

<210> 38742
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944030H1

 <400> 38742

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 atgtcaagtc ctttgaatgg ggaaaggaca ttgaaagtca tgatatgcta agacaagggt 180
 tcaactatgc tttcttgatg acattcaatg ggaaagagga gttcaacgca tttcagactc 240

acccaaatca tcttgag

257

<210> 38743
<211> 250
<212> DNA
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<223> Clone ID: 700944031H1

<400> 38743

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gctttcttgt ggtgatcttg gtttgggaca tccctggatt ctttgacata ttttggagcc 180
catttgcttt atttttgggt tatactgata ctgcaaagcc tgatctccct cgaatgcatg 240
agctggcatt 250

<210> 38744
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<212> DNA
<213> Glycine max

<223> Clone ID: 700944032H1

<400> 38744

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gaaaggagga agtagtcagg tttatagagg ttgccttccct gatggcaagg aacttgctgt 180
taagatctta aagccatctg atgatgtttg aaggagt 217

<210> 38745
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700944033H1

<400> 38745

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tgtgcataat ggagggccaa gatctctcgc cacctcgcac ggacacatct cgaccgtccc 180
 tcggcttccc cttgggcact gccctcctct tgatcatcat cttcagcctc agcggcatct 240
 tctcttggtg ctaccactgg gacaag 266

<210> 38746
 <211> 265
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 <213> Glycine max
 <223> Clone ID: 700944035H1
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<210> 38747
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944036H1
 <400> 38747

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 aatatgaacc gaccattggt gtggagggtc atccgttgga ttttttact aactgcggaa 240
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<210> 38748
 <211> 261
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 <223> Clone ID: 700944038H1

<400> 38748
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gtttcggact ttaacgatgg 260

<210> 38750
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700944040H1
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ttgaaaatgc agatgagtgc atgggtcttg acaatgaagc actttatgac atttgcttta 180
ggacattgaa actcagcacc cctagctttg gtgatctcaa ccatctgatt tctgcaacca 240
tgagtggggt tacctgtt 258

<210> 38751
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944042H1

<400> 38751

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 gattttggtt ccttcagcgg agggttgttt ctcgagccca aaatccccga ttccttcgtt 180
 cgttccattht cgctgaagat ccactccact cccttttcag aatccaatcc tcgccgccac 240
 cggagaaggg ttccggc 257

<210> 38752
 <211> 167
 <212> DNA
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<223> Clone ID: 700944043H1

<400> 38752

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 gagaagaaca cagaagaagt tgttgacgac tccagacacc acgaaac 167

<210> 38753
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<223> Clone ID: 700944044H1

<400> 38753

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 gccgcggcat cgagctcatc gcctccgaga acttcacctc gttcgcagtc atcgaggccc 180
 tcggcagcgc cctcaccaac aaatactccg agggcatgcc cggcaaccgc tactacggcg 240
 gcaacgaatt catcgacc 258

<210> 38754
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944046H1

<400> 38754

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 ctgcagtgct ggcctgttg gtgatgacat gtttcattgg caagctacaa ttatgggtcc 180
 aactgacagt ccttatgctg gtggtgtatt cctggtgacc attcacttcc caccagatta 240
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<210> 38755
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<223> Clone ID: 700944012H1

<400> 38755

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<210> 38756
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943975H1

<400> 38756

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cgtatagtgt ttggcttcat gttcatagca ctgatatgga aatttgactt ctctcctggg 120
atgggtcttga tcagtgctat tctgaatgat ggaac 155

<210> 38760
<211> 207
<212> DNA
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<223> Clone ID: 700943979H1

<400> 38760

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actttcaacg agacagatct cactgactac gtcaccggct ttcacaagcg cagatgaaga 180
gaagaaggaa gccagaagca acagacg 207

<210> 38761
<211> 218
<212> DNA
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<223> Clone ID: 700943980H1

<400> 38761

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cgccagctgg atcacaccgc cgggatatcc gccacaacaa agctaattctc cgccgcctta 180
ccggcgcagg ggtatctccg cctacgtctt tcaatagc 218

<210> 38762
<211> 244
<212> DNA
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<223> Clone ID: 700943981H1

<400> 38762

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gatactgatg gtgttcatct cctccgcgat ggcctcctcc gacgagagag tgagcgaatt 180
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 ccgc 244

<210> 38763
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 <223> Clone ID: 700943982H1
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 agttcttata catatttccc aaaagatgca tacttggtatc ttgttgcttc tcttaatgaa 180
 gtttctgggt taggacttgt tcaagatgct tcagatacta ctttaccocat ttgctggcaa 240

<210> 38764
 <211> 67
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943985H1
 <400> 38764

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<210> 38765
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200

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gaaagacaac gttcgtgaaa aggcatctta cgggtggaat ttgagatgaa atacgaaccg 180

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<223> Clone ID: 700943995H1

<400> 38772

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agctgcttcg tcgcggttct ccaaaatcgc gtttcccca ggctc 165

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<223> Clone ID: 700943996H1

<400> 38773

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<212> DNA
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<223> Clone ID: 700944001H1

<400> 38774

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<223> Clone ID: 700944005H1

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<210> 38779
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<223> Clone ID: 700944007H1

<400> 38779

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 tggcactgat ggaaacatcg catgcacggc atcatatattt gtttgtaata caatattcaa 180
 ttccatcatg tcacatgctg gtgatatcaa ttattatgac atcagaaaga agtgtgaggg 240
 gagcctttgc tatgattttt cg 262

<210> 38780
 <211> 264

<212> DNA
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<223> Clone ID: 700944008H1

<400> 38780

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gcaccaacaa gaccttggtta cttggaacaa ggccacggct tggcttcctt aaaacacatg 180
gatgctgtgc ataatcgtgc caacaacttt gtctctaggt ccatgaccat gggttacggc 240
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<210> 38781
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<223> Clone ID: 700944009H1

<400> 38781

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gtgcccacat gggcctttga tcacatcaaa tatttcaatg gtggttctga cattcagctt 180
catcttgaca agtacactgg tactggcttc cagtccaaag ggtcttactt gtttggtcac 240
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<210> 38782
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944011H1

<400> 38782

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260

<210> 38783
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943974H1
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<210> 38784
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<210> 38785
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 <223> Clone ID: 700943938H1
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 tgggtgttata gtagagactg agaagagcta catcgagact gttgacatgg atgttccagc 120
 agctgagcat gatgggaagt gcaagtgtgg cactaactgc acttgcacgg actgcacttg 180

tggccattaa ggaatatgta tgaaaatgta attgccatgt gtttggcaat acaaatctcc 240
aa 242

<210> 38786
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700943939H1

<400> 38786

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agtacgagaa cgaggaactc atcaaatacg .gttttcccgga agacatctgg ttccatgtcg 180
ataaaaatgtc ttcagcccat gtctatgtca ggttgacaaa aggccagacc atcgatgaca 240
t 241

<210> 38787
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700943940H1

<400> 38787

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tagcagattt gagaggaagg gtttttactt gaaaggggtg aaactcgtaa ctgtggaccg 180
tccttttgct gagaagcact atgctgattt gtctgcaaag cctttcttta gtggtttggt 240
gg 242

<210> 38788
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 700943941H1

<400> 38788

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 caagttgaca agcagggcat tgccatttca atcacatata aaaagcacac accccaattc 120
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<210> 38789
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943944H1
 <400> 38789

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 gtcctaccac tgtcacaaat gtggaaactg tggctgtgtc tccaaccatt ctaaggcgtg 120
 gacctgaatg gtttgccagt tttcgttaga agcacaatgc tgggacaaaag ttgttgtgtg 180

<210> 38790
 <211> 187
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943946H1
 <400> 38790

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 aaagagaaat cgcactctca acgggaagaa ggggtggcaag aagaccgcag ctgatccctt 120
 tggcaagaag gattggtatg acattaaagc tccttgtgtt ttcaagtga aaatgttggc 180
 caaaacc 187

<210> 38791
 <211> 190
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700943947H1
 <400> 38791

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tcttgctgcg gtggttaactg tggttgcgga agctcctgca agtgcgga cggctgcgga 120
 ggctgcaaga tgtanccaga cttgagctac actgagtcaa ccaacaccga gacccttggt 180
 cctggggagt 190

<210> 38792
 <211> 58
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943948H1
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<210> 38793
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943949H1
 <400> 38793

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 gtgctgcaag tgtaggcaga ggcaaaggat gtgagcttga gcccacatg caagtgcaat 120
 cgaatatgct ccatgagcac aattctgcgg gcaaagacat gcaggaagtt gggttcaagg 180
 catgggttta tcatcagga agccaacca agattcactt cacgctcgcg tgcgtcgtag 240
 gattgaagga ggcaaagaag 260

<210> 38794
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943950H1
 <400> 38794

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 gtgctgctga tccccgatac ggccgatact tgactgcac tgctatgttc aggggaaaga 180

tgagcaacca agaggttgct ggacaaatga tcaatgtgca gaacaagaac tcatacact 240

ttg 243

<210> 38795

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943951H1

<400> 38795

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aaagattcgt gaagagcgtg gctacaccta catggatggt tgtgaggtct gccagaaaa 120

gttgccaaat tatgagcaga aaatcaaaag cttctttgaa gaacatcttc aactgatga 180

ggagatccgc ttttgtgctg ctggaagtgg gtattttgat gttagggatt gcaatgatgc 240

t 241

<210> 38796

<211> 242

<212> DNA

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<223> Clone ID: 700943952H1

<400> 38796

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acaatacaag catgactgct aataagagaa cagcactccc tggttttgta tccggtggat 120

caattggtgg tgacataaat acttatcaga gtactgcttc acccaatcct gctacatcag 180

cggtaatttc caccagtcaa gggtatggag taaatcctgg tcagaagagc acgaacagtt 240

ct 242

<210> 38797

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<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700943953H1

<400> 38797

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 gttgagagtc cttacgtgaa gtacacagag actgagattc agtccgtgta gaactatgaa 180
 accactgaac ttgttcacga gaacaataat ggcacttat 219

<210> 38798
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943955H1
 <400> 38798

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 ctcaaataga cactgagaga tgaattgtga tcagtttcag gagaacatga tgttcgtaga 120
 aagccctgaa gatgggtggca accacttcga cgatgatgga cgagtcagaa gaacgggtac 180
 atggataact gggagtggcc atatgataac ggcagtgata gcgtcaggag cgttgtca 238

<210> 38799
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943957H1
 <400> 38799

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 ccatcaccct cgaggctcgag agcagcgaca ccatcgacaa cgtcaaggcc aagatccagg 120
 acaaggaagg tatccctcct gaccagcaga ggttgatttt tgctggtaag cagctggaag 180
 atggtcgcac tctgtctgat aataacatac aaaagg 216

<210> 38800
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943958H1
 <400> 38800

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 gatgaaaggg agaaaggccc tccaccttca ttttacatgg ggagagctat gggttcagga 180
 tctggtcttg gaatgggtag gtctggattc actccttcac agccagcagc tggagacgac 240
 t 241

<210> 38801
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943959H1
 <400> 38801

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 agacaagaac tacataacag gggacgacgg aggcaagttc gagatacaac ctagaggact 180
 caacattgtg tggggaaatg attctcgata ctggaaaatt ccagaacaag gtcctgcgga 240
 gct 243

<210> 38802
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943960H1
 <400> 38802

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 tgtatcagtg agagaaactc tctatctaga aaccctattg cacgttttgc aatcgaactc 120
 gacaatggcc aaagcaacct ccctcgaaga atcatcaggg aaacgcagcg tttgttcagt 180
 gagccagcac caggaattaa gtgcctcccc ttctgaagag aatatgcat atttcaatgt 240
 gatgat 246

<210> 38803
 <211> 238

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700943963H1

 <400> 38803

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 gttgctcctc ggactacttc ctcgncgccc gaagcacggc ggcgaggag aggaattcga 180
 cgaagagccg acggagaagg agaaagagga agtggaatt gcagtataag cgagcgag 238

 <210> 38804
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943964H1

 <400> 38804

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 gtcactggat atgctgttaa agcttgtagc atttttggtc caacaatacg tgcaactgtt 180
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 aagtgcttta tggaactgca aaagat 266

 <210> 38805
 <211> 251
 <212> DNA
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 <223> Clone ID: 700943965H1

 <400> 38805

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 tatgatgcta cgtttaataca gttaggtcag atgtcacaaa ctcaggcctc acttcactat 180
 atacctccgt caaccccgat aatgggacct tttggcacca caggattcaa tcagacctgc 240

gcctgagggg g

251

<210> 38806
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943966H1

<400> 38806

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 cataaattac gacttgcatt aaggattaat tgaagctttt ttacgcaaga taaactacaa 180
 aaaaggtcgg ccactcctaa cattgtccgt cgtccgggaa ttgaattccg gccggttcc 239

<210> 38807
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943967H1

<400> 38807

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 acctgagaat gtcttgctgc ggtggtaact gtggttgagg aagctcctgc aagtgcggca 120
 acggctgcgg aggctgcaag atgtaccag acttgagcta cactgagtca accaccaccg 180
 agaccttggg catgggagtg gcacctgtta aggtcaatt tgagggtgct gaaatgggt 239

<210> 38808
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943970H1

<400> 38808

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 caaattttcg tacttttttc cttgccatga gtagatgcat ctttttcaag ctaccttaag 120
 cttgaactag ctggtagggc tttttaaata cgtcgataag ttaacagtgt tctgcttgtg 180